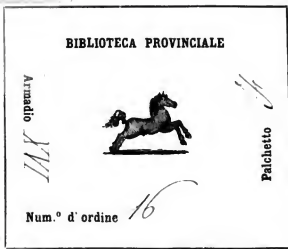
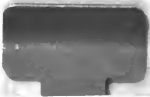




23-H-10



23-H-10



100
~~1~~
23

B. Row
V.
74

AIDE-MEMOIRE

GÉNÉRAL ET ALPHABÉTIQUE

DES INGÉNIEURS.

0157/2

AIDE-MÉMOIRE

GÉNÉRAL ET ALPHABÉTIQUE

DES

INGÉNIEURS

PAR

G. TOM RICHARD

INGÉNIEUR

Succèsivement chargé, par le Préfet et le Conseil général de l'ARRONDISSEMENT, des Essais tendant au perfectionnement des
FORGES de ce département (1832 à 1836).—Ingénieur de la compagnie agricole et industrielle du MOULIN-
CIARD, CORSE (1838 à 1839).—de la compagnie *Corse* (1839 à 1840).—Directeur des FORGES
FRAMONT, VORGES (1843 à 1846).—Directeur des FORGES DE BINCÉ et de
MENDRE, BASSES-PYRÉNÉES

ATLAS

PREMIÈRE PARTIE

PLANCHES.

1 A 63

PARIS

LIBRAIRIE MILITAIRE DE J. DUMAINE

ANCIENNE MAISON ANGELIN

Rue et passage Dauphine, 36

1848

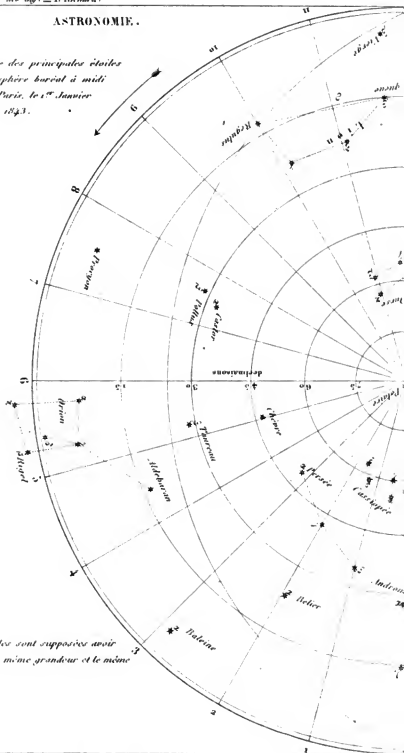




ASTRONOMIE.

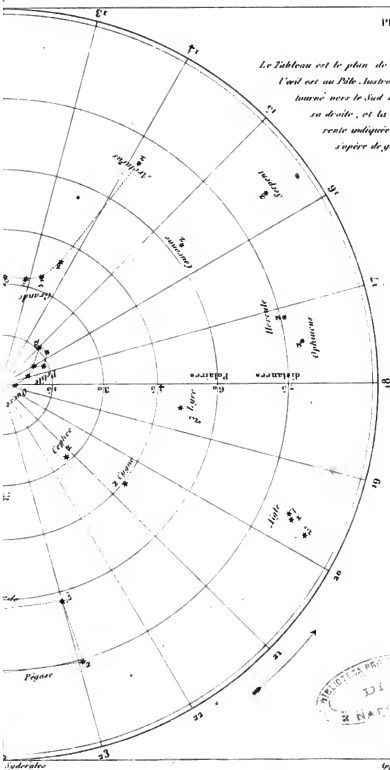
*Perspective des principales étoiles
de l'hémisphère boréal à midi
moyen de Paris, le 1^{er} Janvier
1843.*

Si on



*Les étoiles sont supposées avoir
toutes la même grandeur et le même
éclat.*

Le Tableau est le plan de l'Equateur.
 L'œil est au Pôle Austral. L'observateur
 tourne vers le Sud à l'Occident à
 sa droite, et la rotation appa-
 rente indiquée par les flèches
 s'opère de gauche à droite.



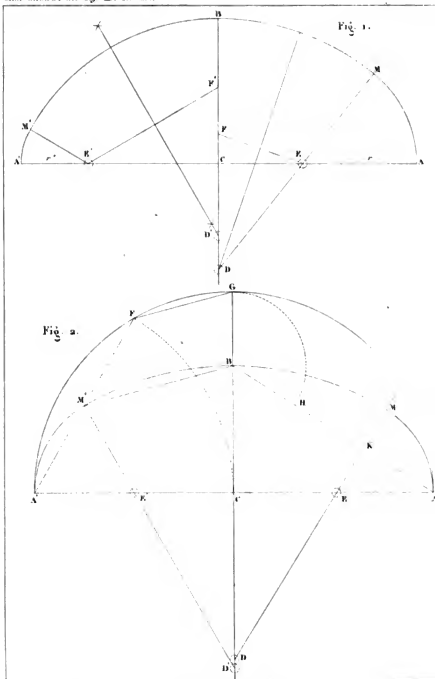


Fig. 3.

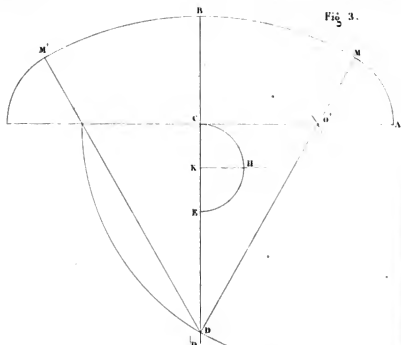


Fig. 4.

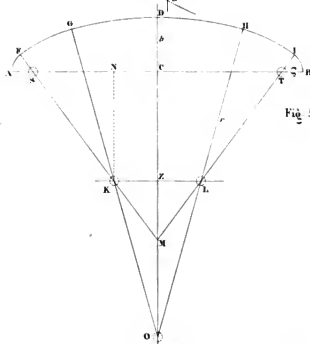






Fig. 5.

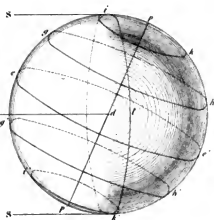


Fig. 4.

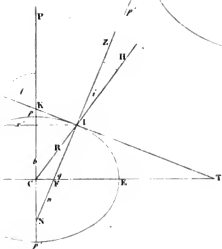
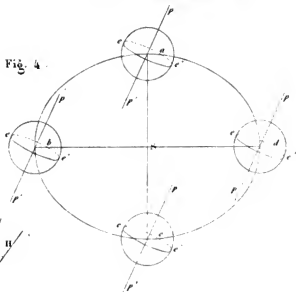
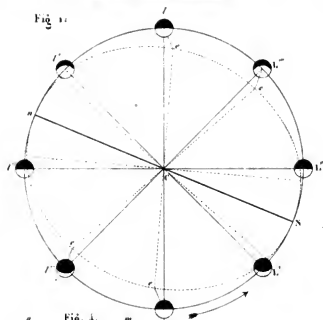




Fig. 1.



Balan



Fig. 4.

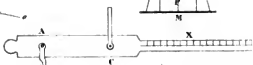
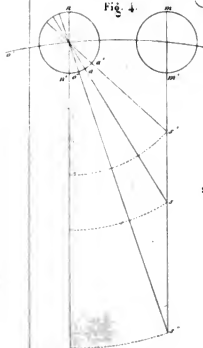


Fig. 6.

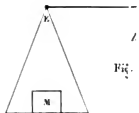


Fig.

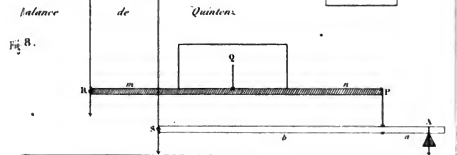
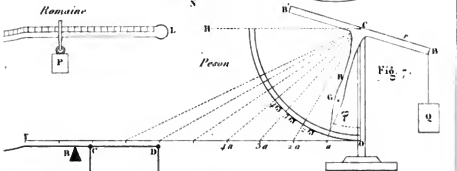
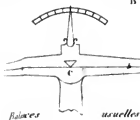
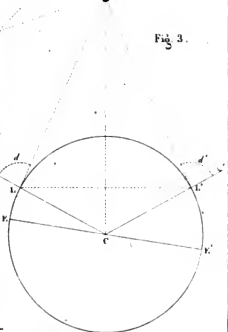
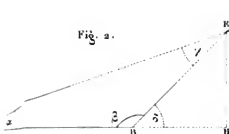
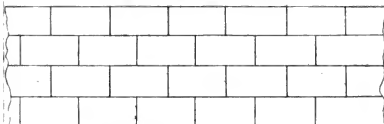




Fig. 1.

Mur vertical, assises réglées



Mur cylindrique . Fig. 2.

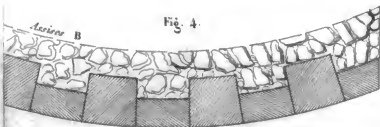
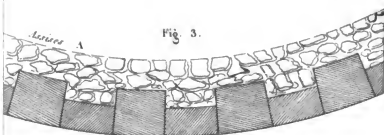
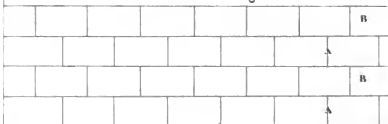


Fig. 5.

Mur incliné

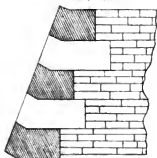
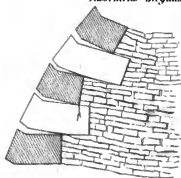


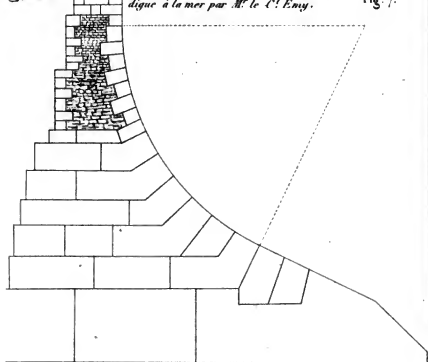
Fig. 6.

Tassement inégal.



*Revetement cylindrique concave pour
digue à la mer par M. le C^l Eny.*

Fig. 7.





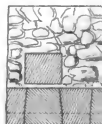
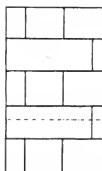
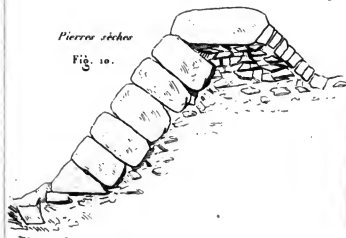
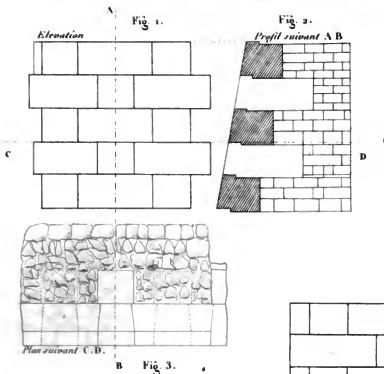


Fig. 4.

Profil suivant A B.

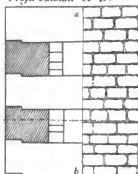


Fig. 5.

Elevation.

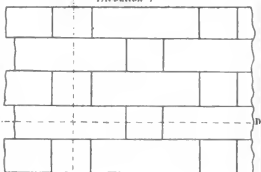
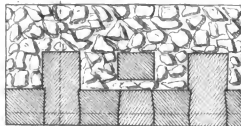
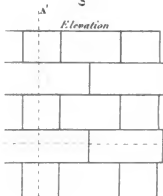


Fig. 8.

Elevation



Plan au niveau C'D

Fig. 6.

Fig. 7.

Profil suivant A' B'.

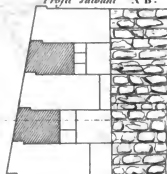
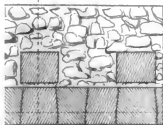


Fig. 9.



Plan au niveau C'D

Fig. 9.





Fig. 1.



1



Fig. 3.

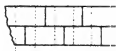
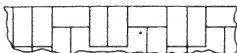


Fig.



Fig.



Fig. 14.



Fig. 15.



Fig. 16.



Fig. 17.



piédro

Fig. 11.



Fig. 13.



Elevation de

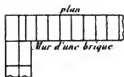
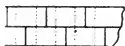


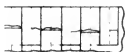
Fig. 5.



Fig. 6.



Fig. 7.



4°

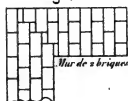


Fig. 8.



Fig. 12.

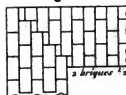
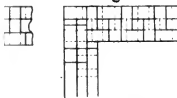


Fig. 10.



Elevation de 5.

Fig. 9.





Plate bande

Fig. 1.

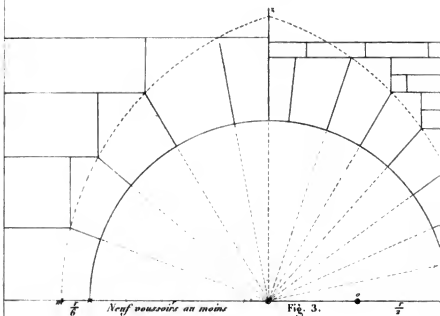
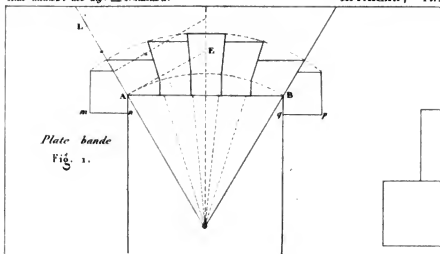


Fig. 6.
Extrados
parallèle



Fig. 7.
Extrados
de niveau.



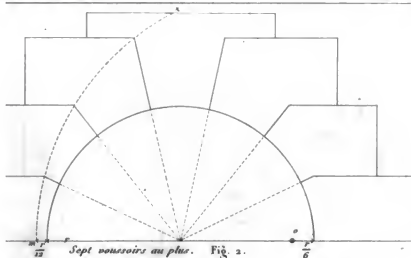


Fig. 5. Pont de Westminster.



Fig. 4. Pont du Strand.

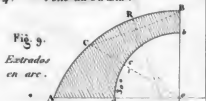




Fig. 2.

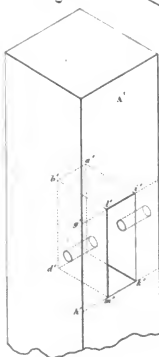


Fig. 1.

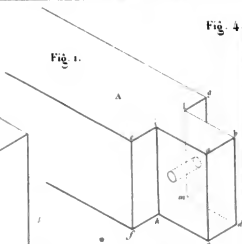
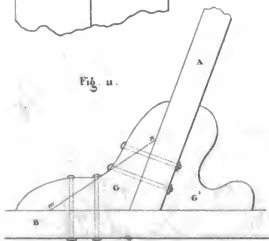


Fig. 4.

Mortaise et tenon droits

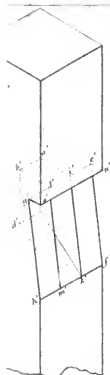
Fig. 11.



Assemblage à goussette et plat joint.

Fig. 6.





*Mortaise et tenon
oblique à embovement*

*Mortaise et tenon à
embovement par
encastrement.*

Fig. 9.

Fig. 3.

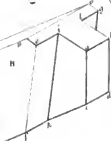


Fig. 7.



Fig. 5.

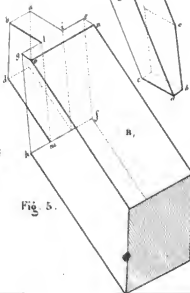
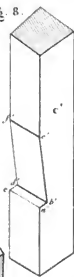


Fig. 10.



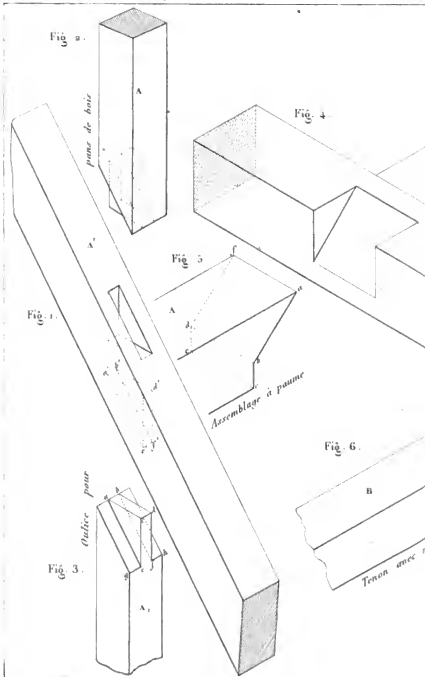
Fig. 8.

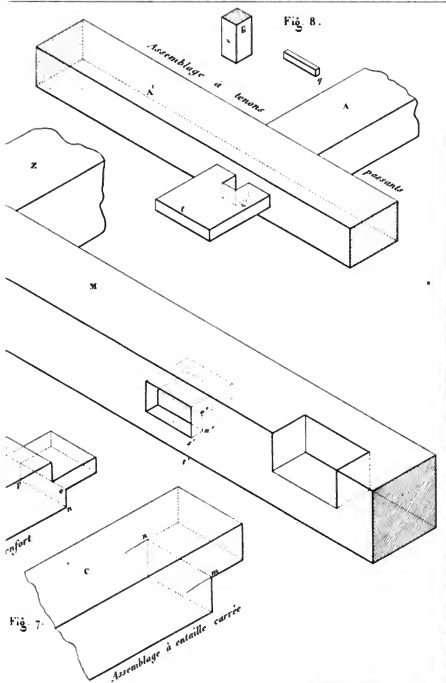


Embovement à crasse

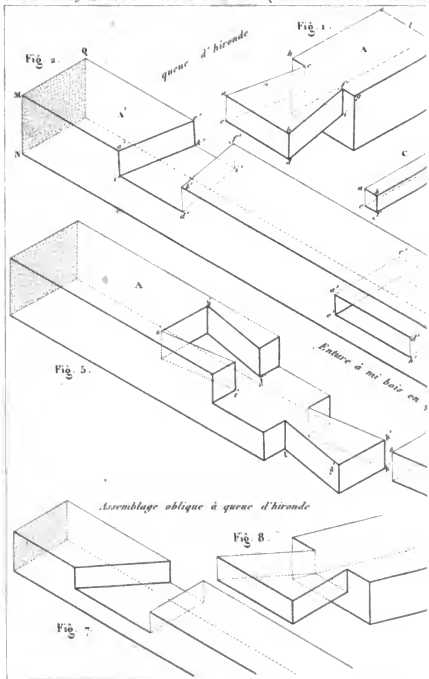
Embovement simple

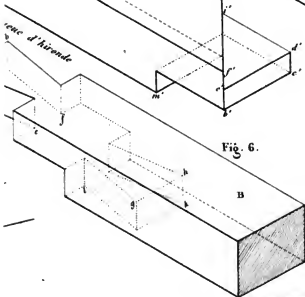
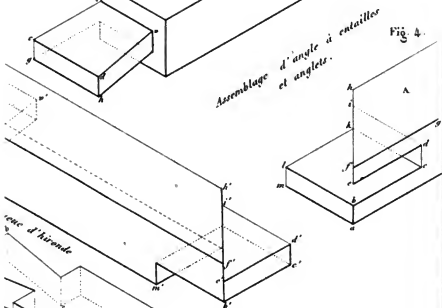
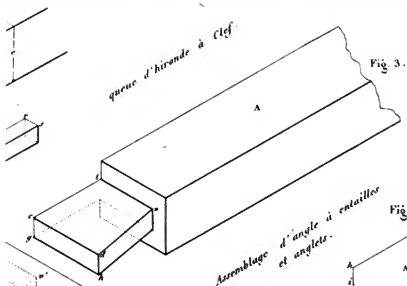




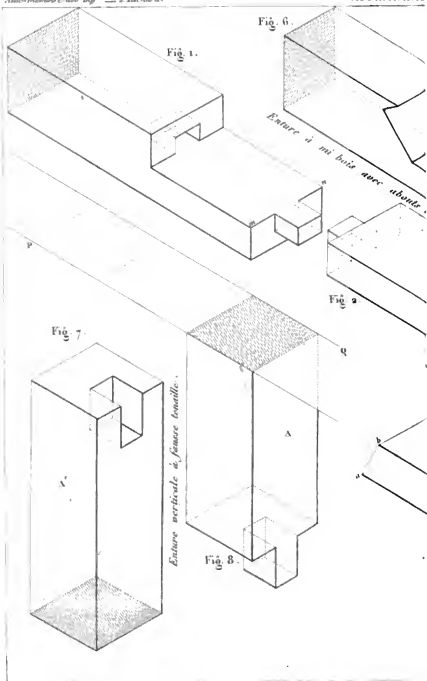












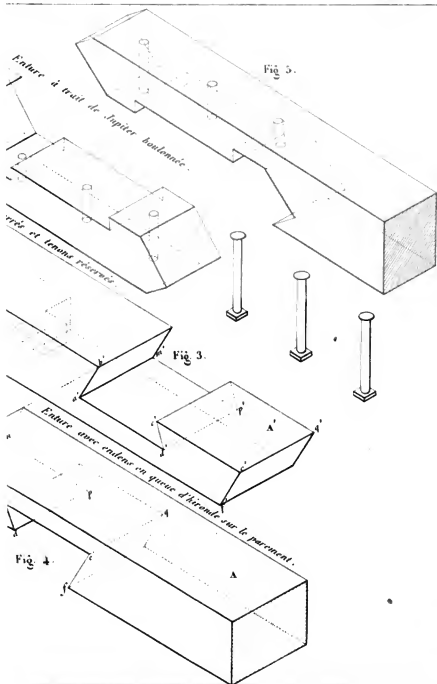




Fig. 4.

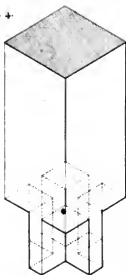


Fig. 3.

Entures verticales.

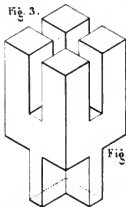
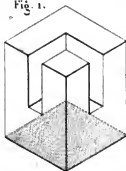


Fig. 1.



à tenons et tenailles en croix.

Fig. 2.

à tenon chevronné

Fig. 5.

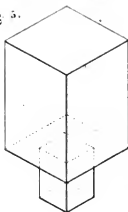


Fig. 6.

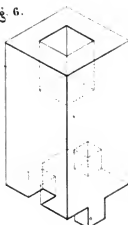
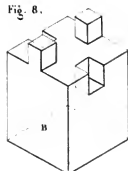


Fig. 7.

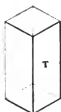
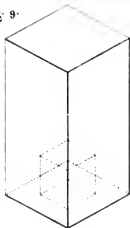
à tenon et mortaise carrée.

Fig. 8.



à double enfourchement carré.

Fig. 9.



à four tenon

Fig. 10.

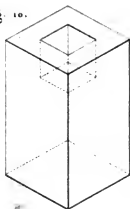
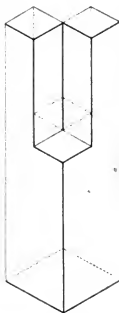


Fig. 11.

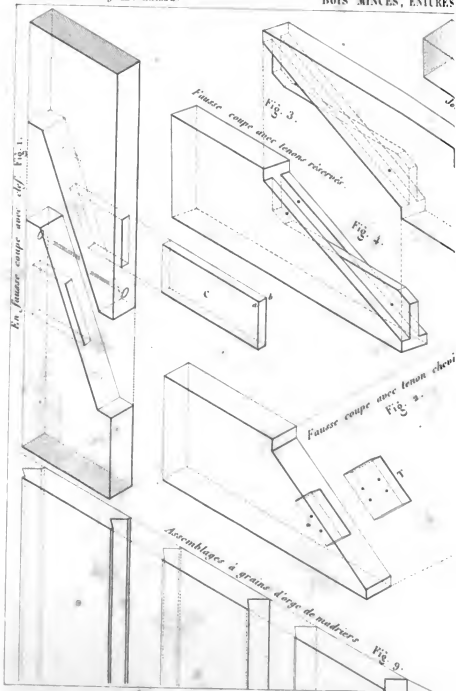


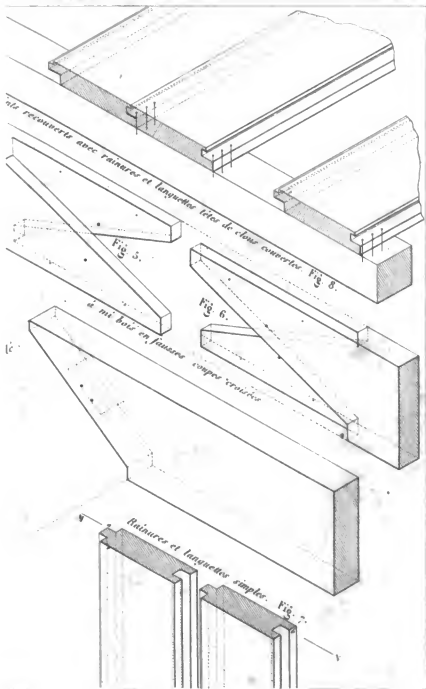
Fig. 12.



par quartiers à mi bois sur les quatre faces.











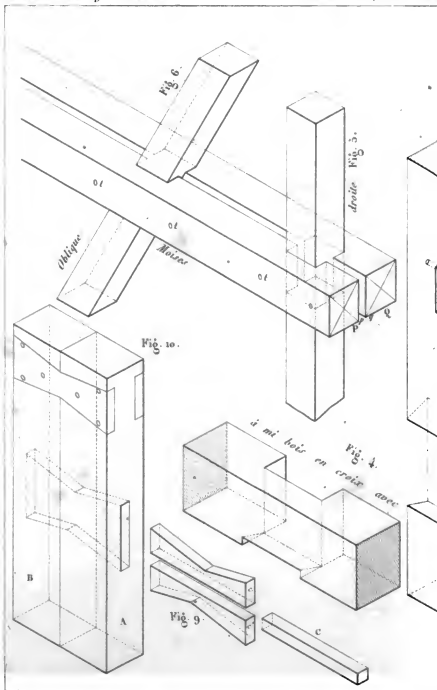
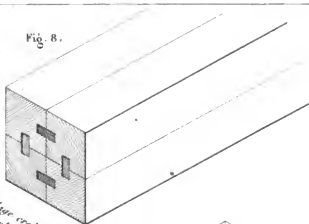
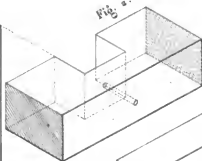


Fig. 8.



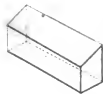
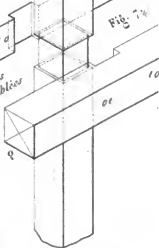
Assemblage croisé a
mi bois boulonné. Fig. 1.

Fig. 2.



Moises
d'assemblés

Fig. 3.



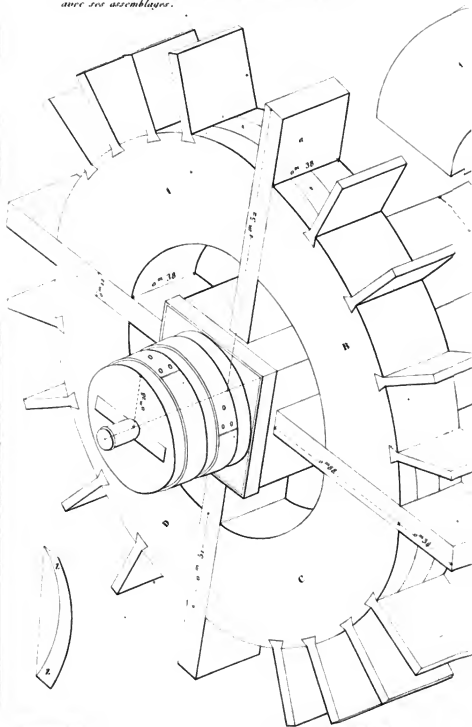
Clef

Fig. 4.





*Croquis isométrique d'une roue de marteau des Pyrénées,
avec ses assemblages.*



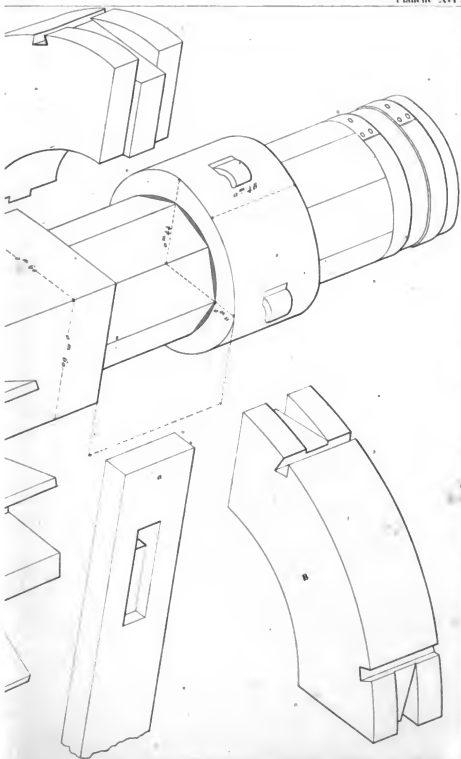




Fig. 1.

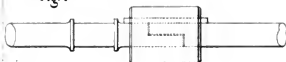


Fig. 2.

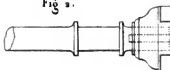


Fig. 4.

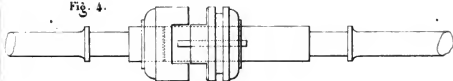


Fig. 6.

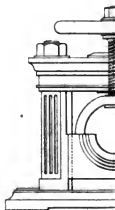
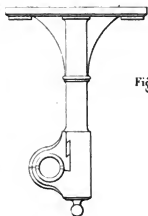


Fig. 8.

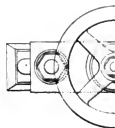
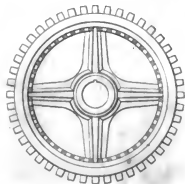


Fig. 3.

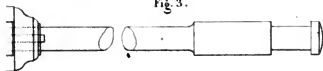


Fig. 5.

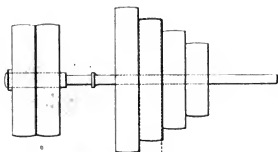
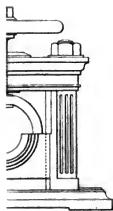
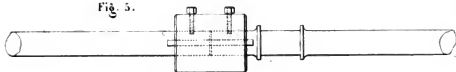
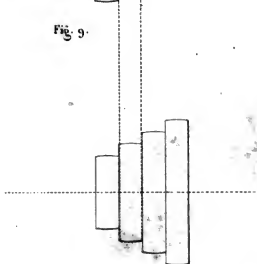


Fig. 9.





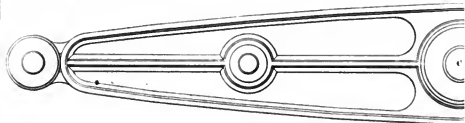


Fig. 1.

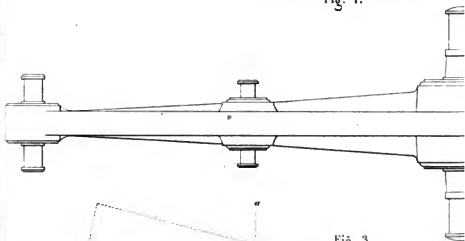
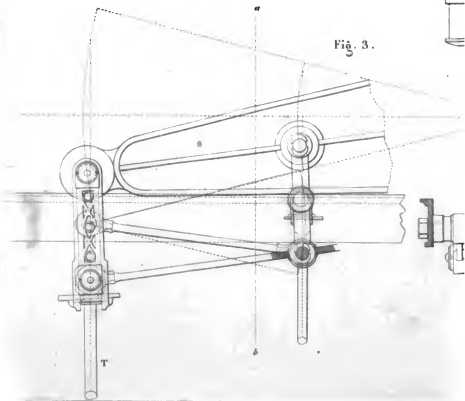


Fig. 3.



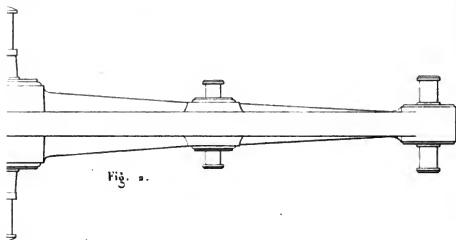
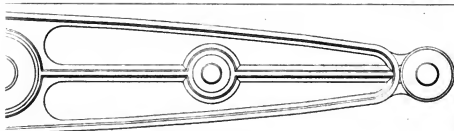


Fig. 2.

vue en haut

Coupe sur a b de la Fig. 3.

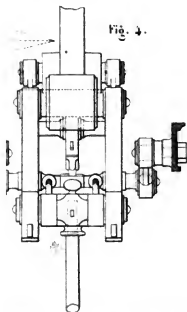


Fig. 4.

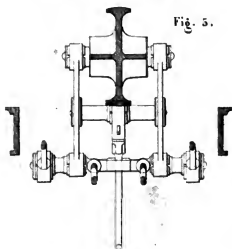
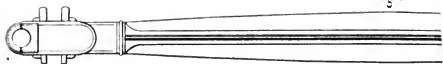


Fig. 5.

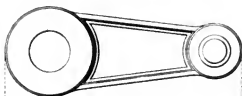


Fig. 1.



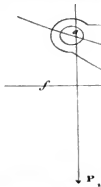
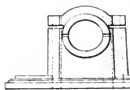
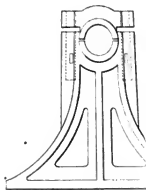
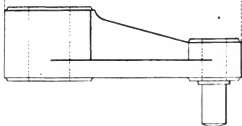
Bielle "

Fig. 2.



Manivelle

Fig. 4.



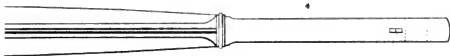
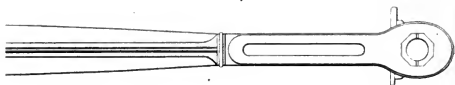


Fig. 5.

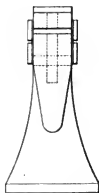


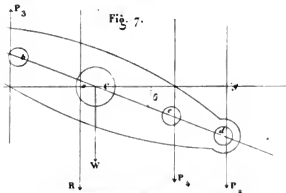
Fig. 3.

supports ou paliers

Fig. 6.



Fig. 7.





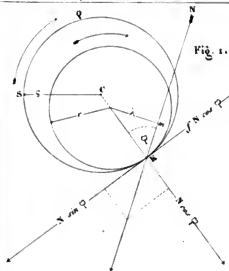


Fig. 1.

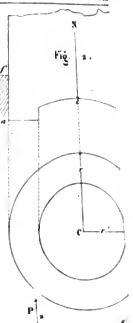


Fig. 2.

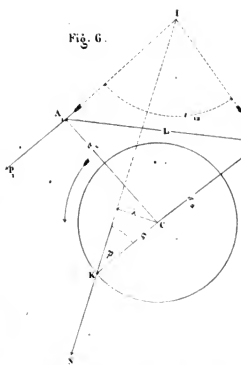
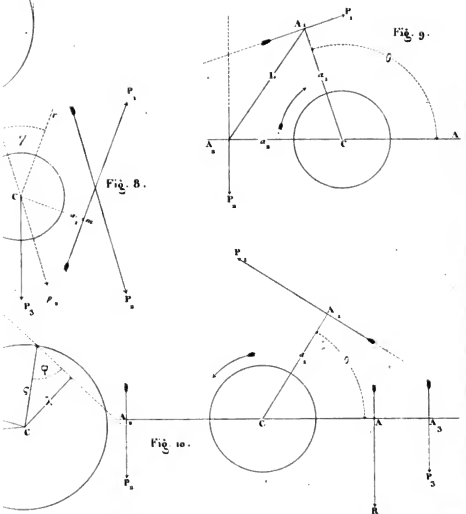
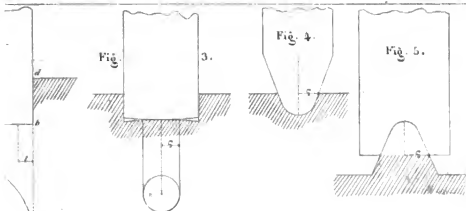


Fig. 6.



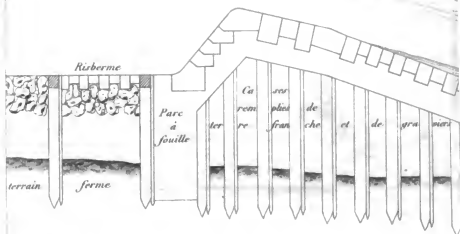
Fig. 7.





Effet du barrage pendant les hautes eaux

Fig. 1.



Eaux moyennes

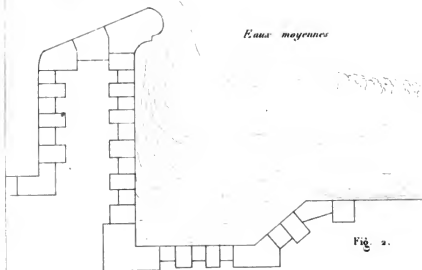
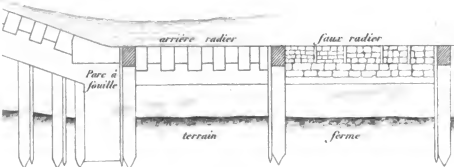


Fig. 2.

*Profil d'un déversoir à plan incliné avec arrière radier
risberme et par à fouilles.*



Effet du barrage vertical pendant les hautes eaux.

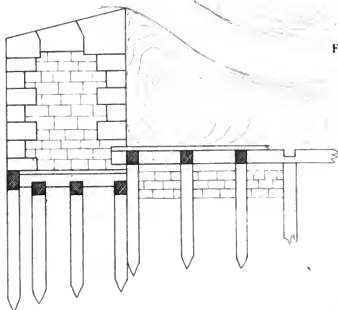


Fig. 3.



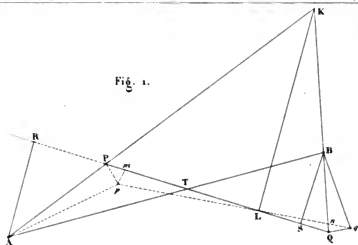


Fig. 2.



Fig. 6.

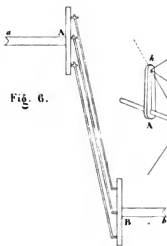


Fig. 8.

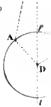
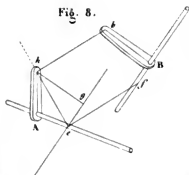


Fig. 9.

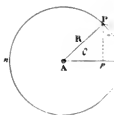


Fig. 12.



Fig. 3.

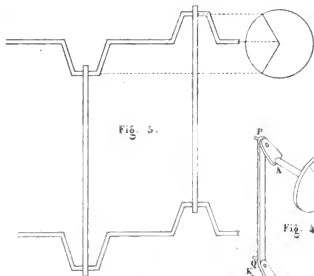
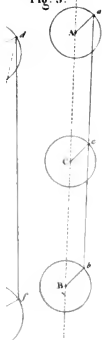


Fig. 5.

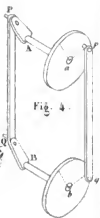


Fig. 4.

Fig. 7.

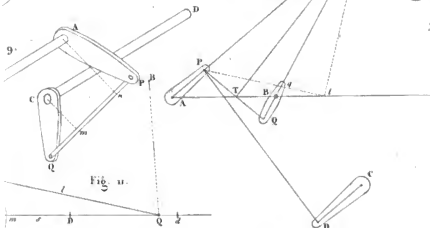


Fig. 9.

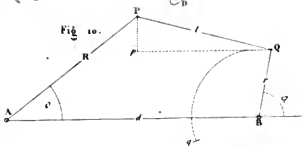


Fig. 10.



Fig. 2.

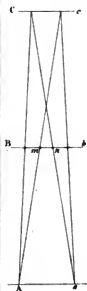


Fig. 1.

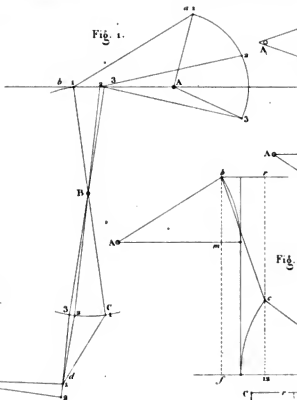


Fig. 3.



Fig. 6.

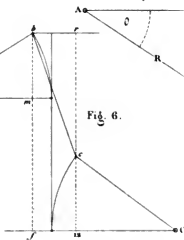


Fig. 8.

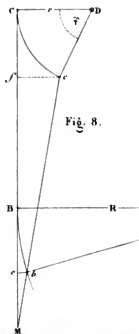
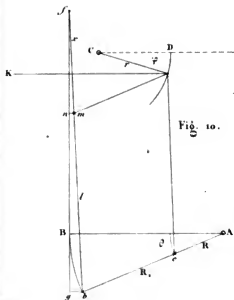


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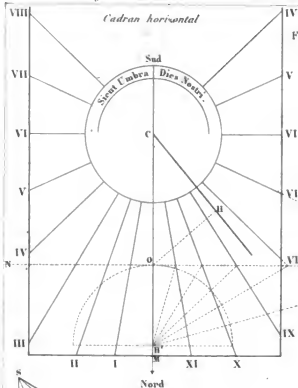


Fig. 1.

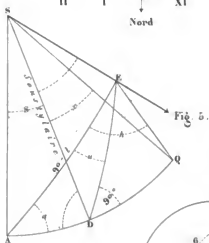
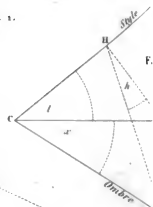
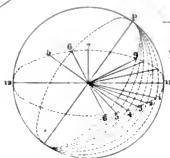
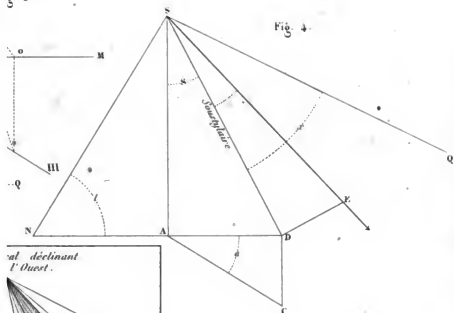


Fig. 6.

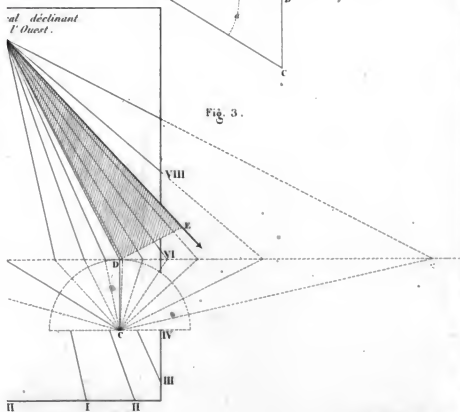


1987



al déclinant
l'Ouest.

Fig. 3.





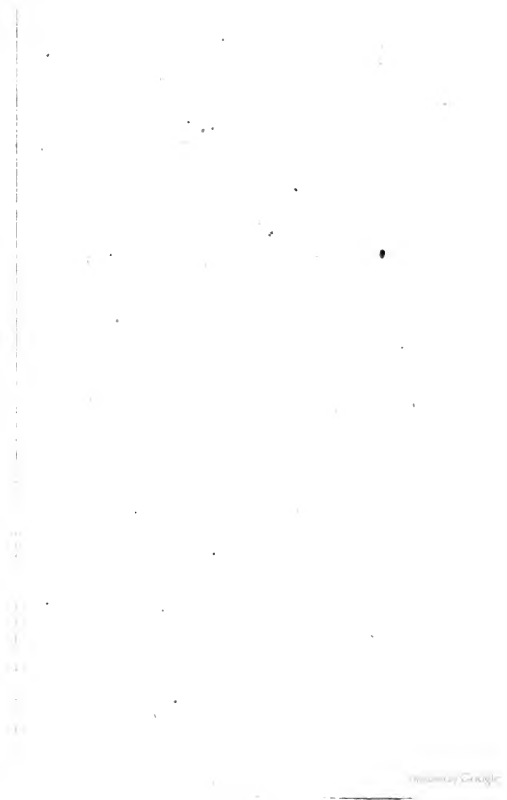


Fig. 3. Coupe suivant

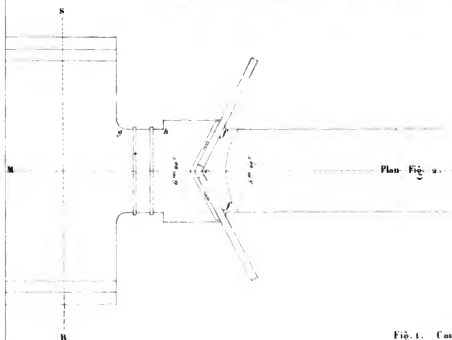
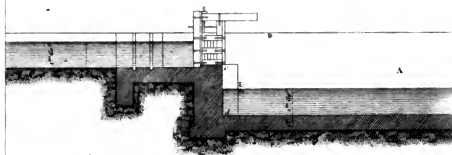
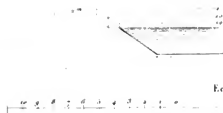
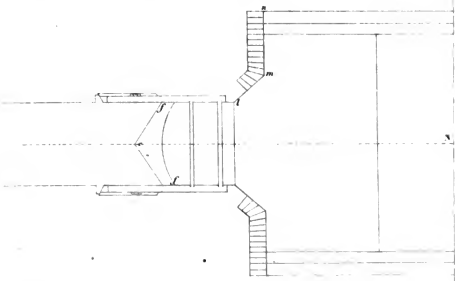
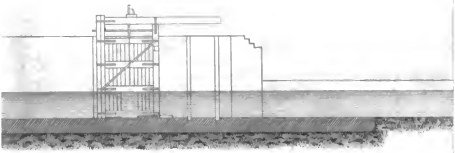


Fig. 1. Cou



M. N.



de suivant R. S.



elle





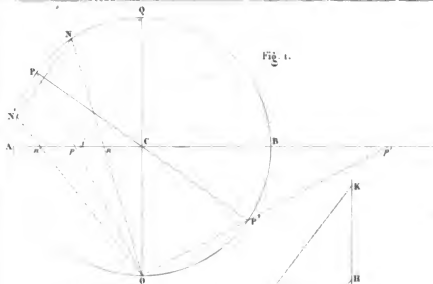


Fig. 1.

Projection sur l'horizon du lieu

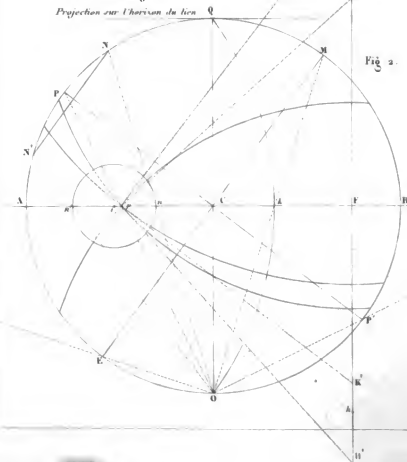
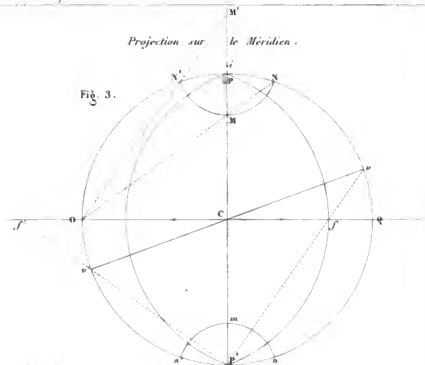


Fig. 2.

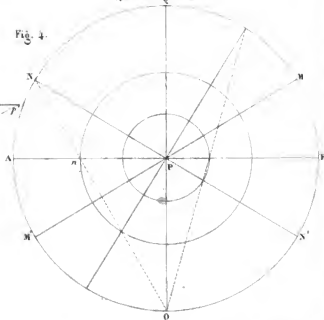
Projection sur le Méridien .

Fig. 3.



Projection Polaire .

Fig. 4.





orthographique .
Mérédien .

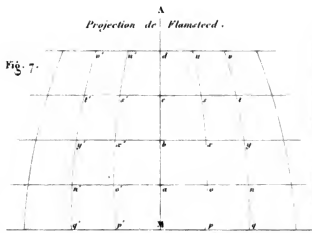
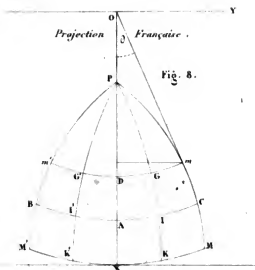
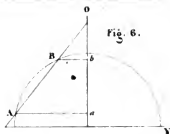
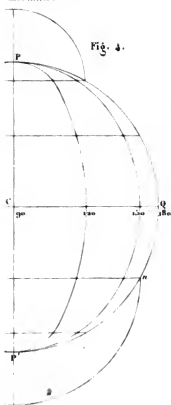




Fig. 1.

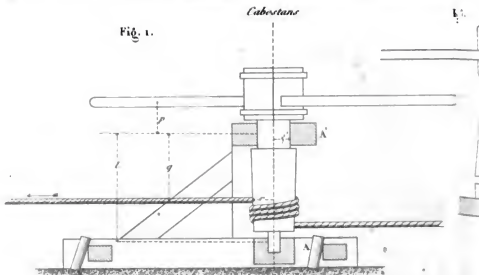
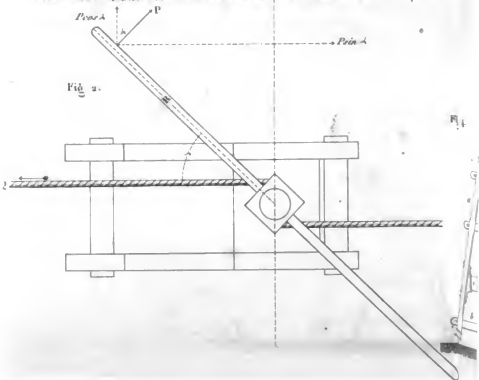


Fig. 2.



Coin Fig. 6.

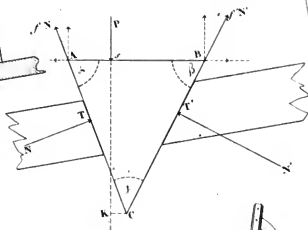
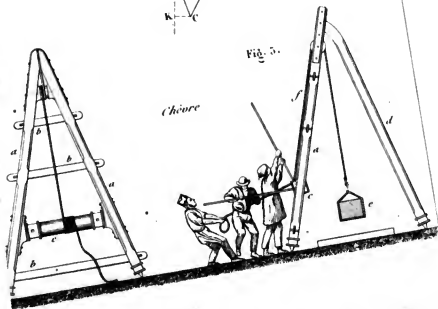


Fig. 5.

Chèvre



App. de charbon de bois





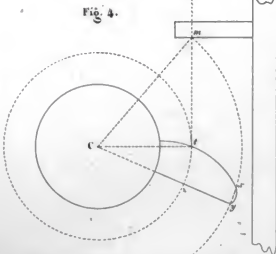
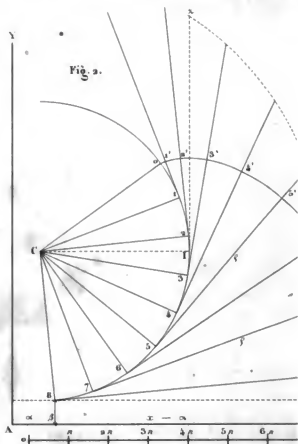
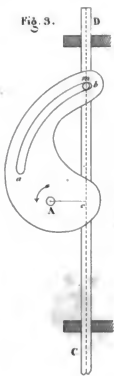


Fig. 1.

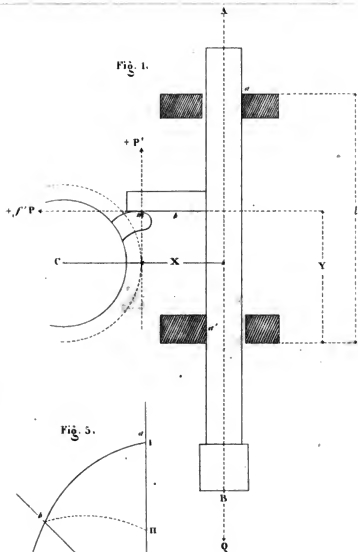
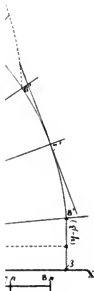
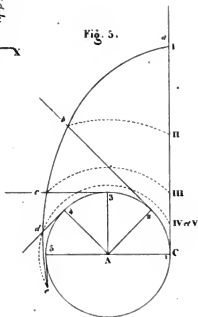
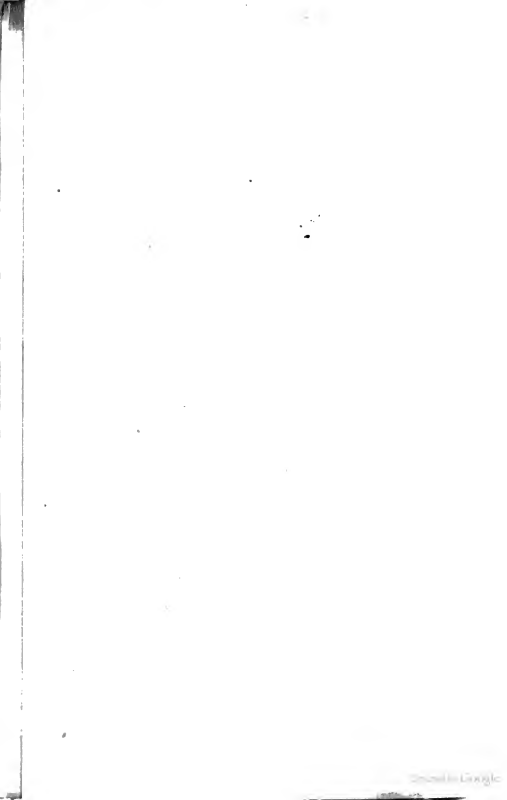


Fig. 5.







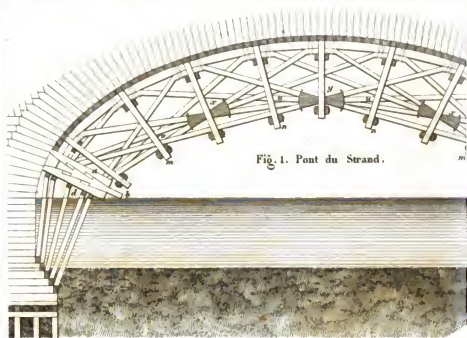


Fig. 1. Pont du Strand.

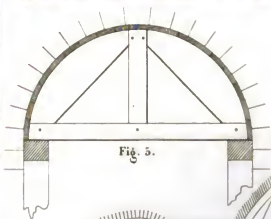


Fig. 5.



Fig. 9.

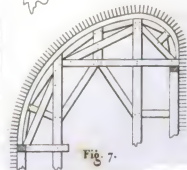


Fig. 7.

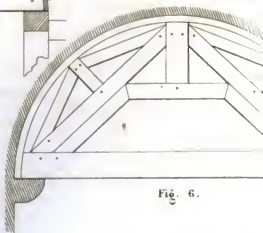


Fig. 6.

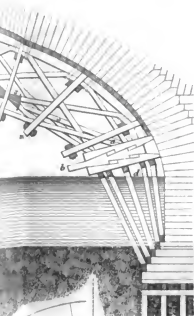


Fig. 8.

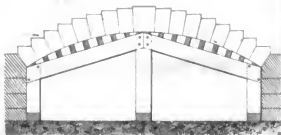
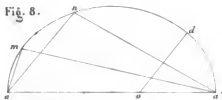


Fig. 2.

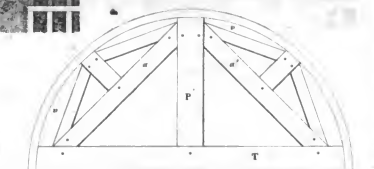


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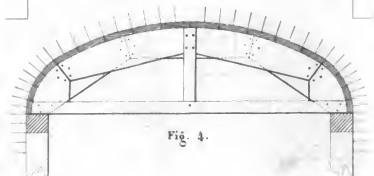


Fig. 4.



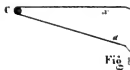
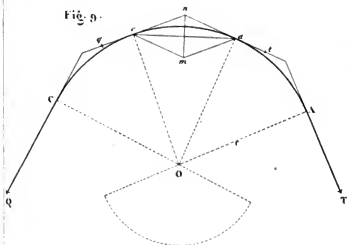
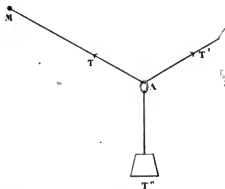
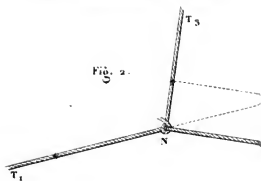
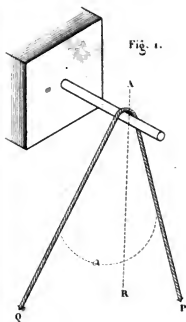




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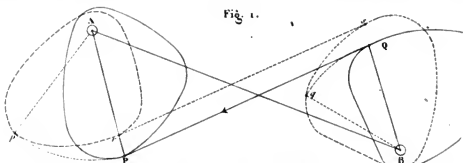


Fig.



5.

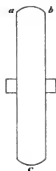


Fig. 7.

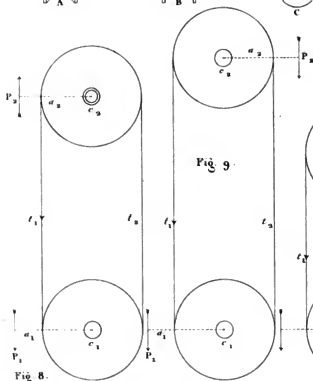
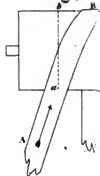


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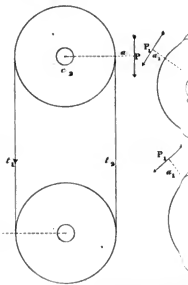


Fig. 8.

Fig. 2.



Fig. 3.



Fig. 4.



Fig. 6.

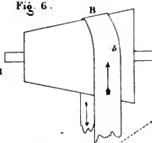


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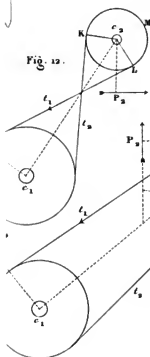
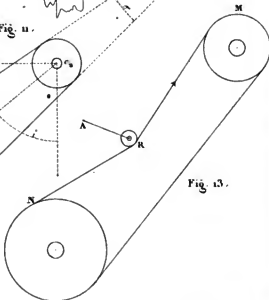


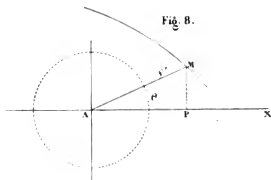
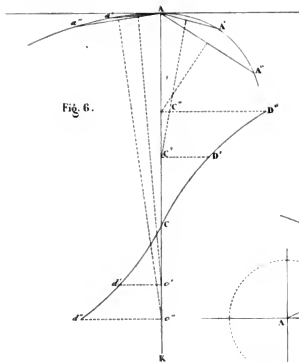
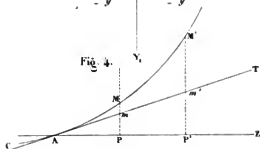
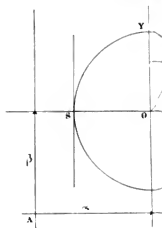
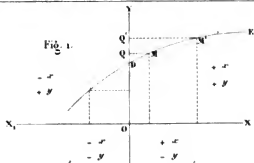
Fig. 11.

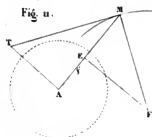
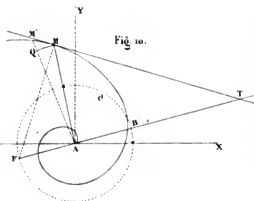
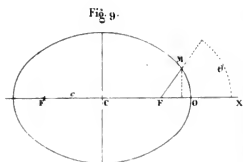
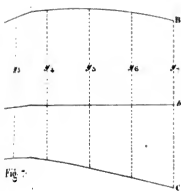
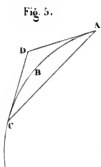
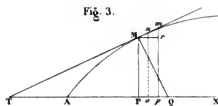
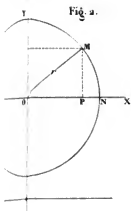


Fig. 13.











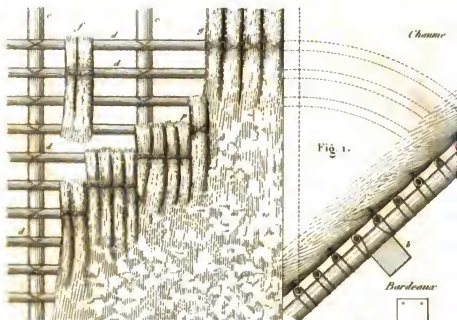


Fig. 1.

Bardeaux

Fig. 7.



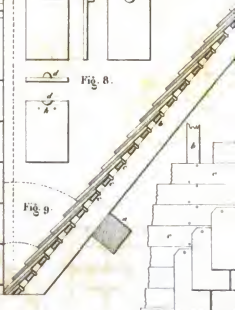
Tuiles plates



Fig. 8.



Fig. 9.



Plancher

Fig. 4.



Fig. 5.



Fig. 2.

Fig. 3.

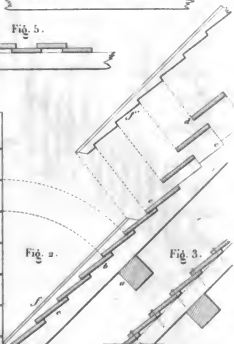
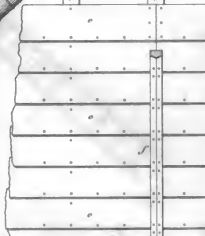


Fig. 6.

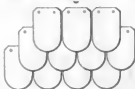


Fig. 10.

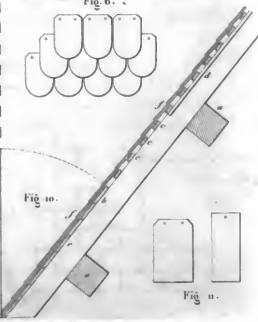
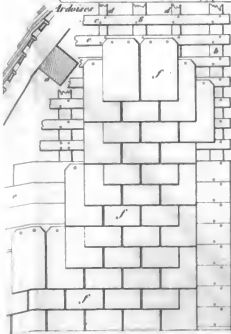
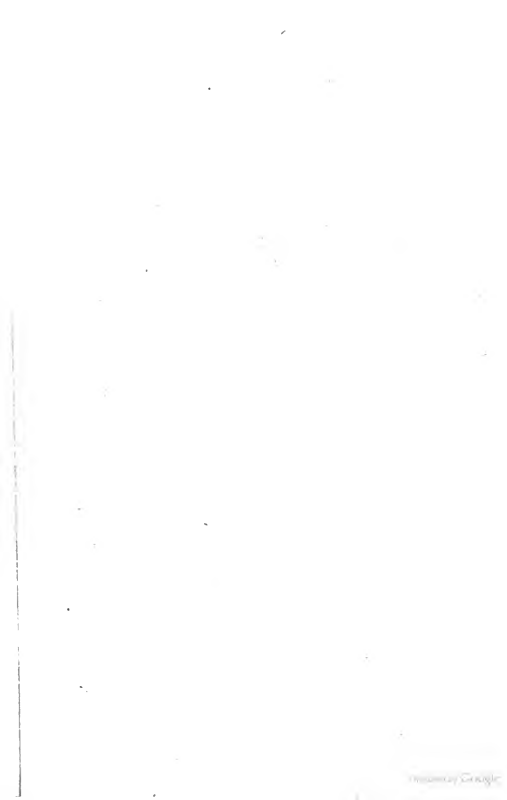
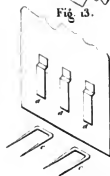
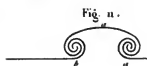
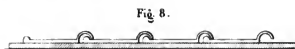
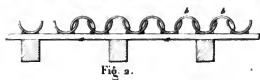
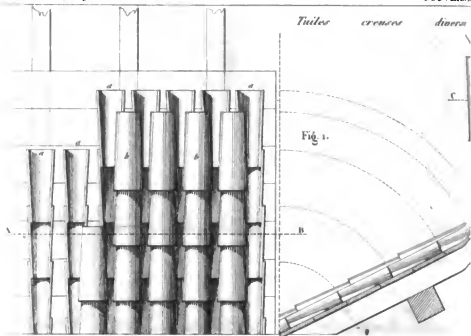


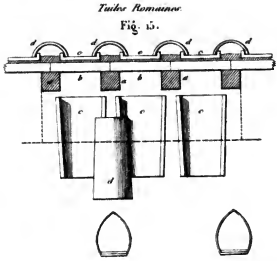
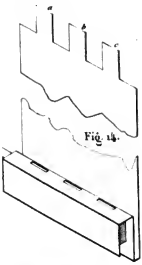
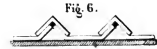
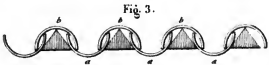
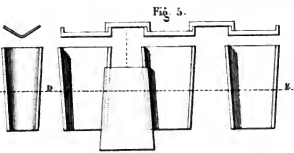
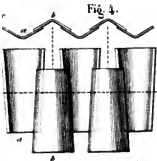
Fig. 11.













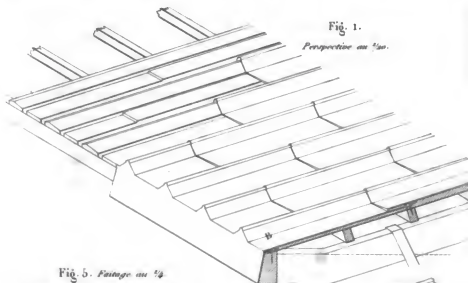


Fig. 5. Faîtage au 1/4.



Fig. 9.

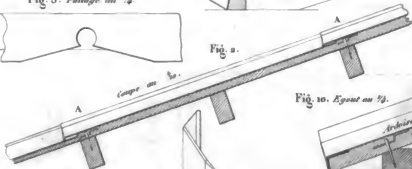


Fig. 10. Egoût au 1/4.



Fig. 6.

Détail A au 1/4.

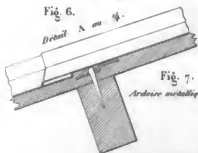


Fig. 7.

Ardoise métallique

Crochet

Croissant

Système Chélon

Fig. 8. Camp



Fig. 3.

Plan de 3 feuilles au 1/2

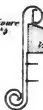
Fig. 4.

Coupure transversale

Fig. 9.

Solon en Plomb de droite au 1/2

Dérivante au 1/2



Corniche

Volige

Volige

(app. en travers d'une ardoise au 1/2).

Volige

Traverse

Chevron



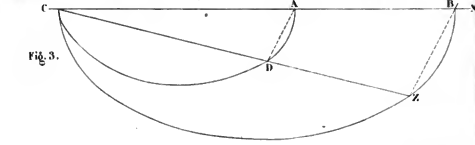
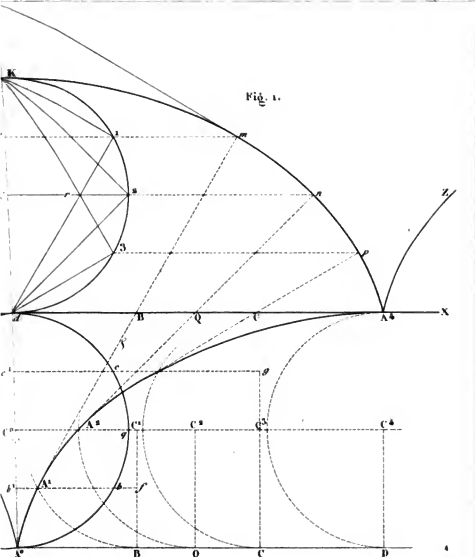




Fig. 1.

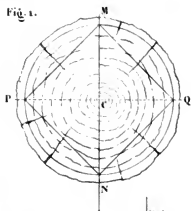


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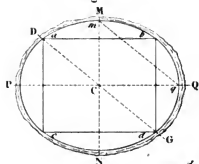


Fig. 5.

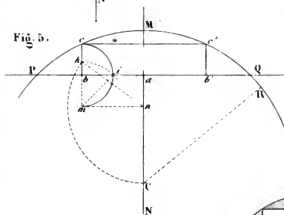


Fig. 7.

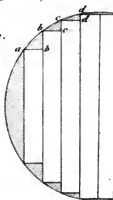


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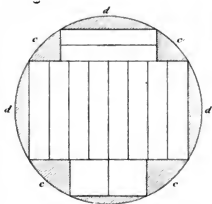


Fig. 9.

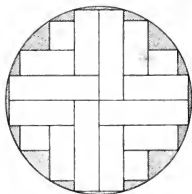


Fig. 3.

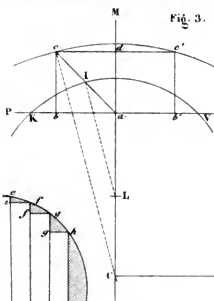


Fig. 4.

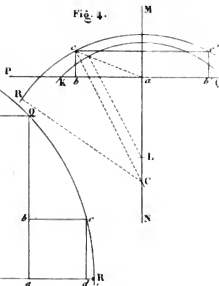


Fig. 6.

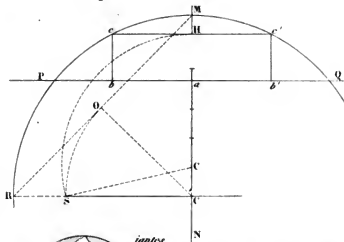
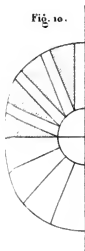


Fig. 10.



jauges

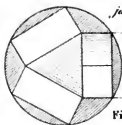
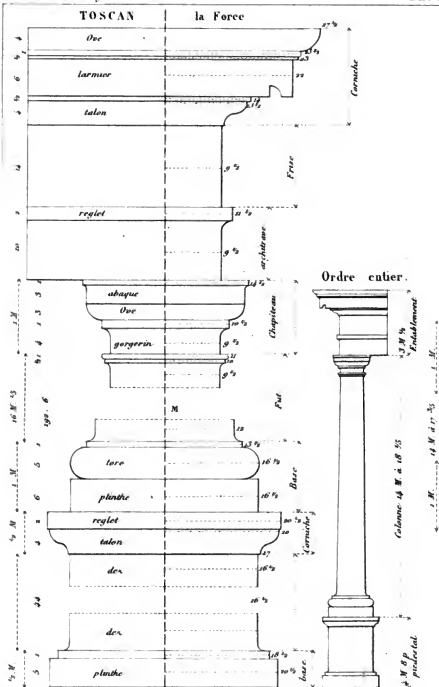


Fig. 11.



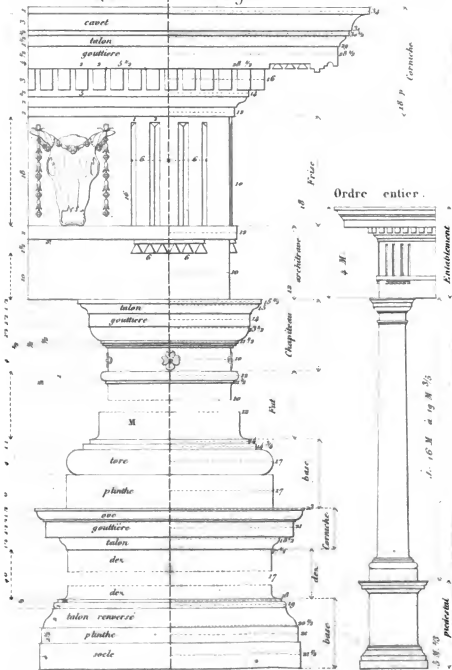




L'unité ou le module M est le plus grand rayon de :

DORIQUE.

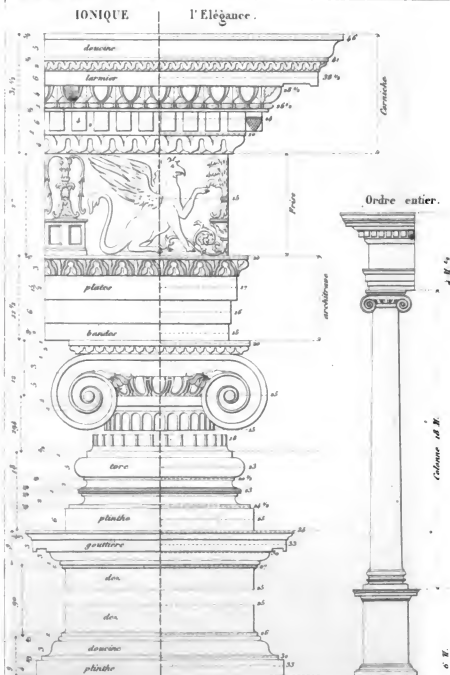
la Majesté



La Colonne, il se divise en 12 parties.

App. Chartier sculpt.





l'unité ou le module M est le plus grand m

MOULURES.

Romaines.

Grecques.

*Reglet ou Bandelette**Baguette ou astragale**Annelets doriques**Cavet**Ovo ou quart de rond droit**Boisine**Cymaise**talon droit**Scotie**tore*

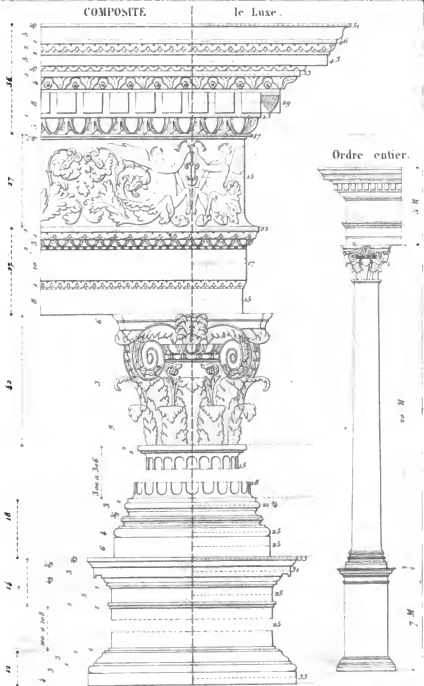
ber.

Entablement

Colonnes 18 M.

piédestal



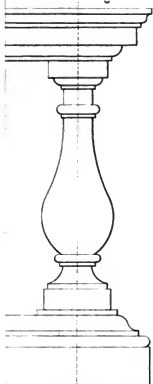


grand rayon de la Colonne, il se divise en 18 parties.

App^{te} Chastler sculp.



Bahuste Fig. 1.



Tracé de la Doucine Fig. 2.

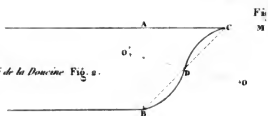


Fig. 3.

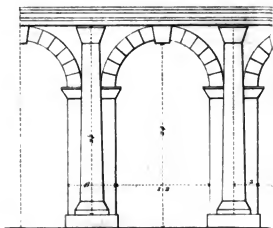
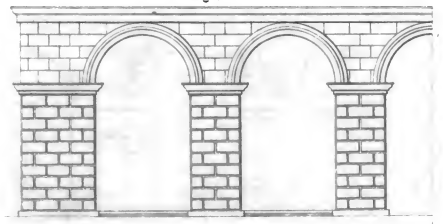


Fig. 7.



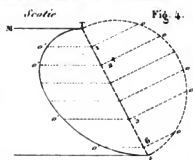
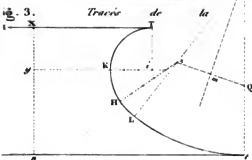


Fig. 6.

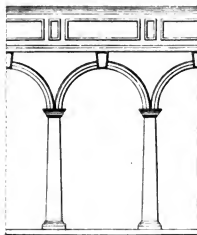
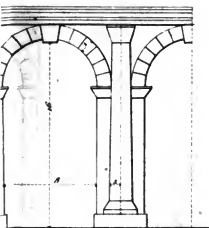


Fig. 8.

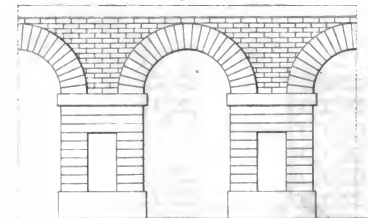




Fig. 1.



tracé d'un fronton élevé

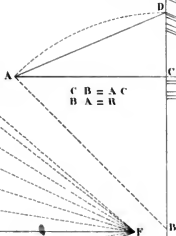
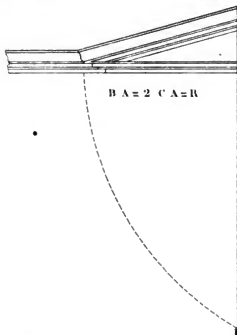


Fig. 4.

Fronton déprimé Fig. 5.



0

Fig. 6.

Cassini

Cancellures

tracé de la volute ionique



Fig. 2.

$$\begin{array}{ll}
 A B = 16 p. & A P = 1 \\
 A E = 9 & \\
 E B = 7 & \\
 C D = 2 & D B = 6 \\
 C A = 8 &
 \end{array}$$

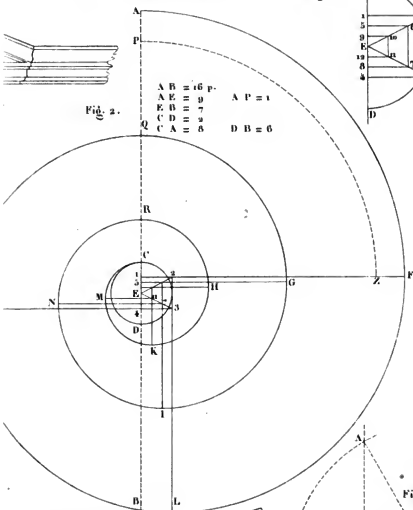


Fig. 3.

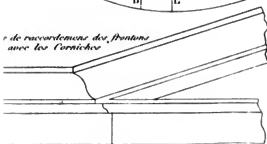
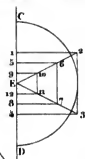


Fig. 6.

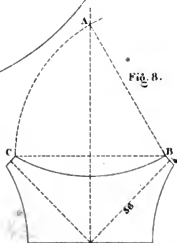
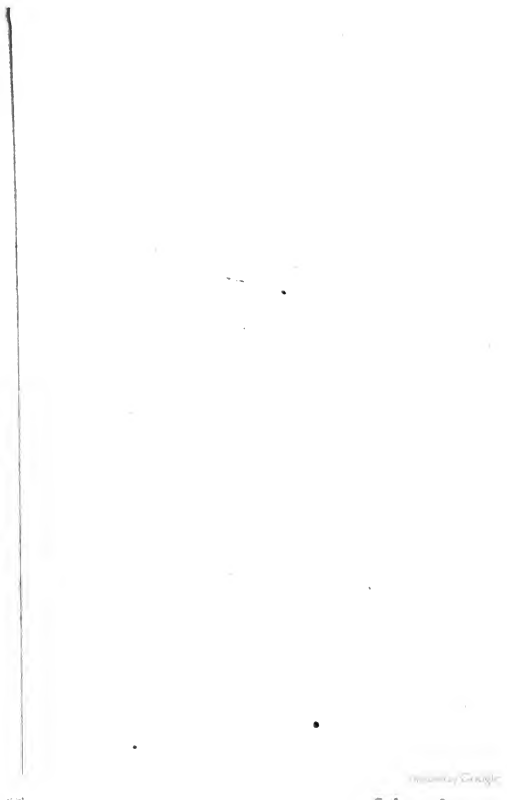


Fig. 8.

Abaque Corinthien





Epicycloïdes Fig. 1.

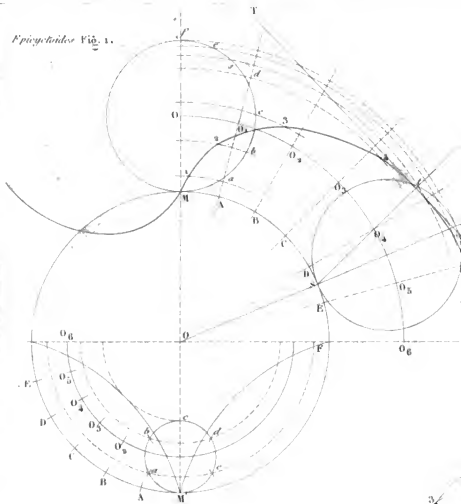


Fig. 4.

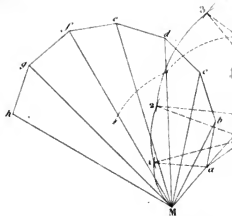
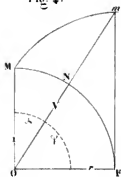


Fig. 3.

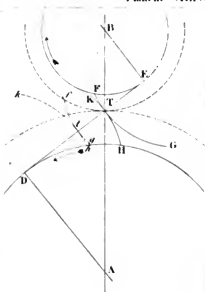


Fig. 2

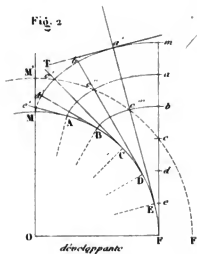
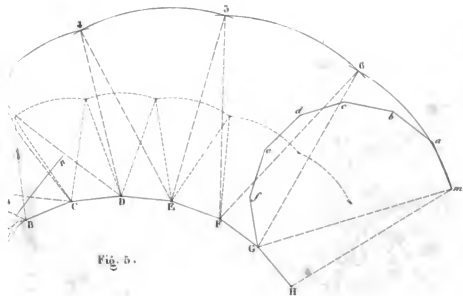


Fig. 5.





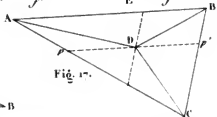
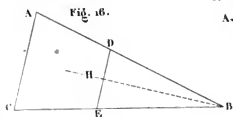
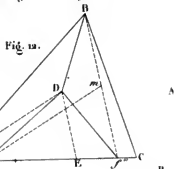
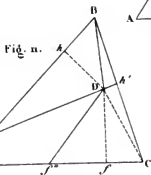
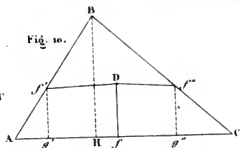
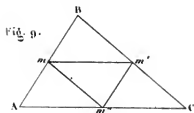
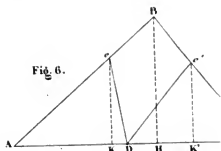
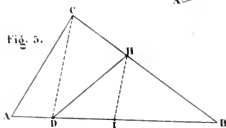
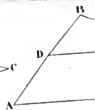
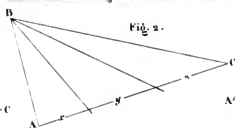


Fig. 3.

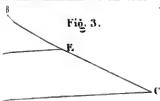


Fig. 4.

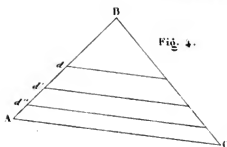


Fig. 7.

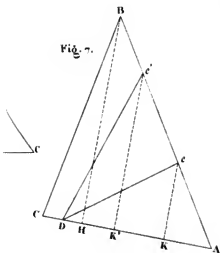


Fig. 8.

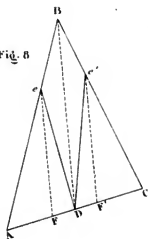


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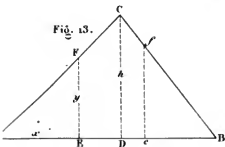


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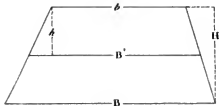


Fig. 15.

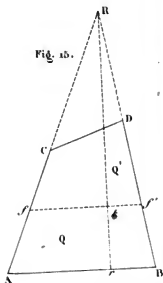




Fig. 3.

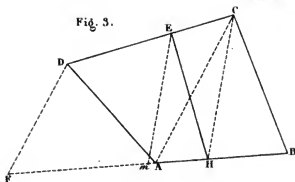


Fig. 5.



Fig. 6.

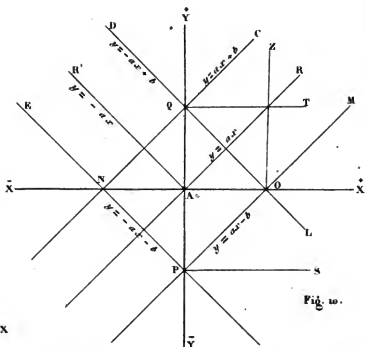
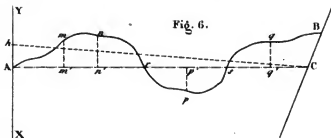
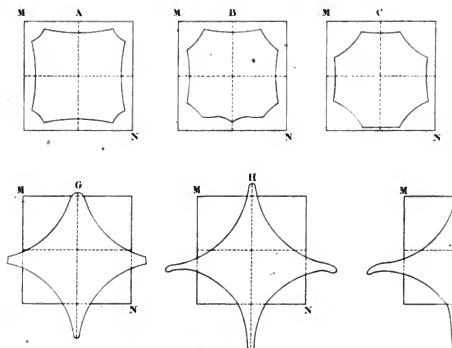
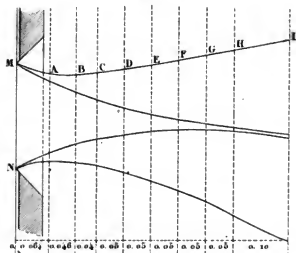


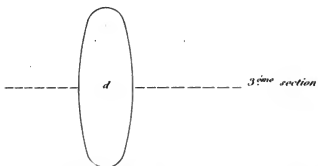
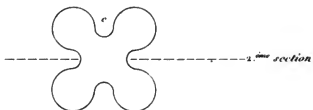
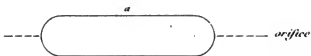
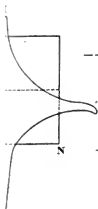
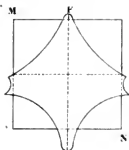
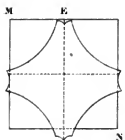
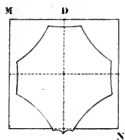
Fig. 10.





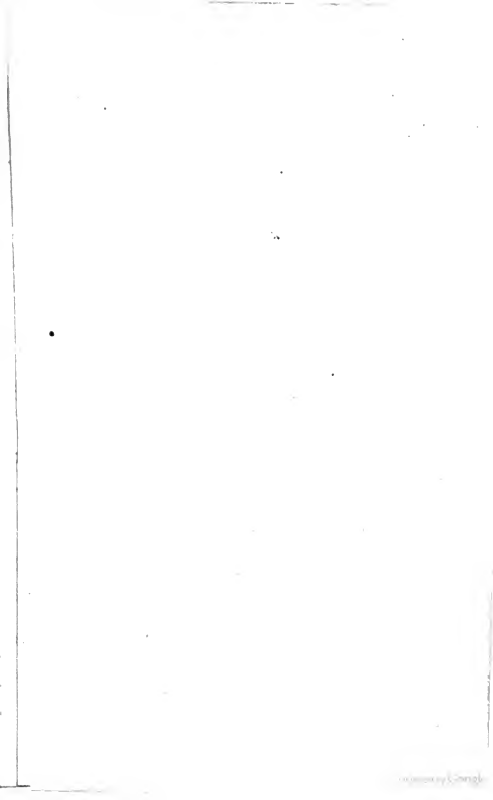
Veine de M.M. Poncelet et Lesbros.

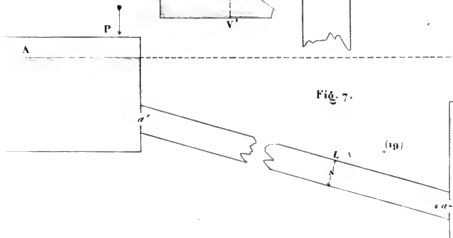
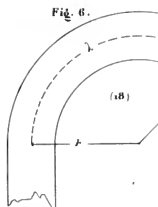
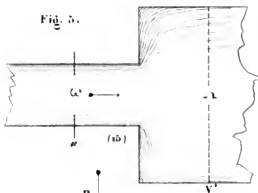
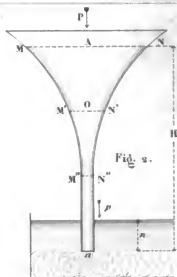
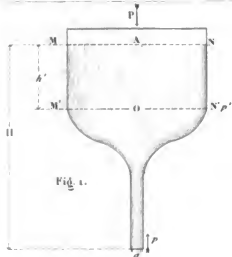




Veine de Venturi







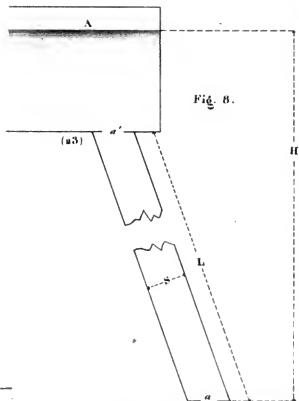
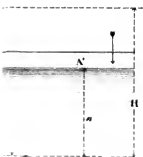
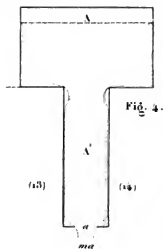
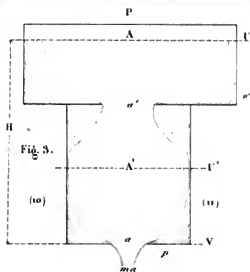




Fig. 1.

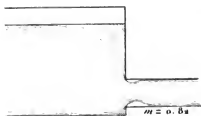


Fig. 2.

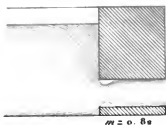


Fig. 6.

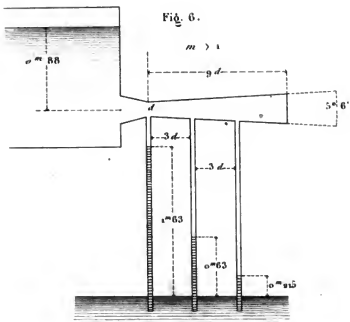


Fig. 7.



Fig. 10.



Fig. 9.

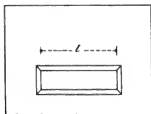


Fig. 11.



Fig. 3.



Fig. 4.

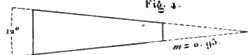


Fig. 5.

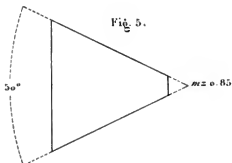
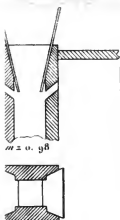


Fig. 6.



$m = 0.98$

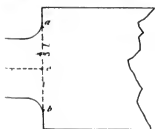
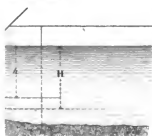




Fig. 1. (27)

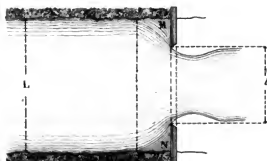
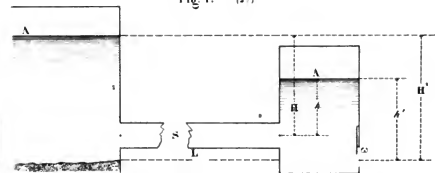
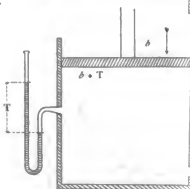
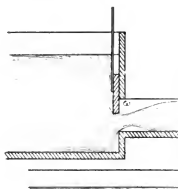
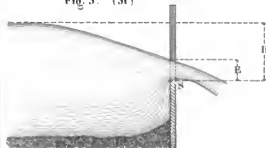


Fig. 3. (31)



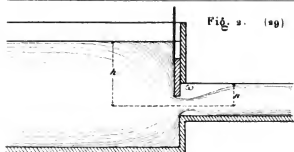


Fig. 2. (29)

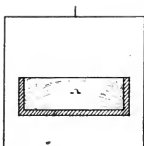


Fig. 5. (45)

Fig. 4. (37)

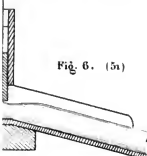
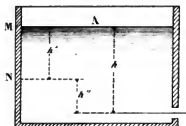
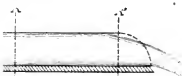


Fig. 6. (51)

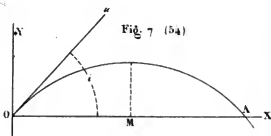


Fig. 7. (54)

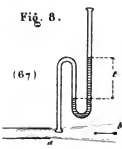


Fig. 8.

(67)

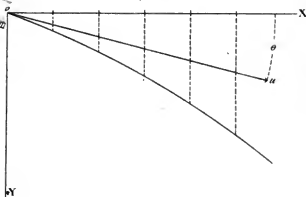




Fig. 1.

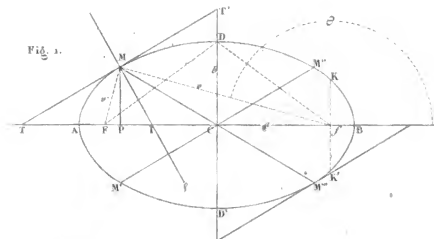


Fig. 3.

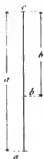
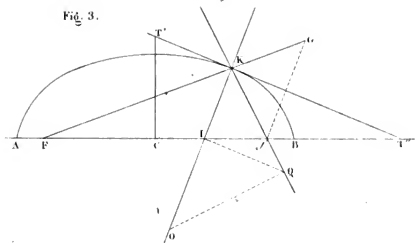
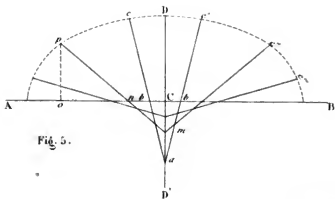
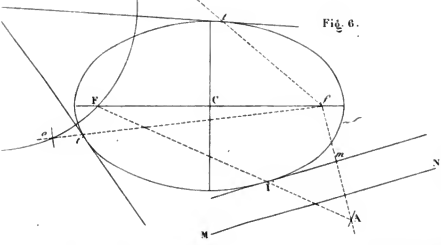
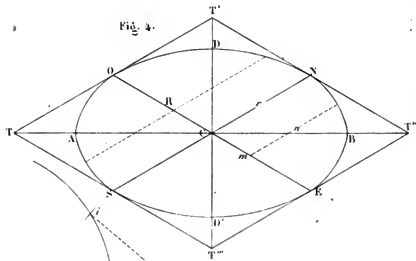
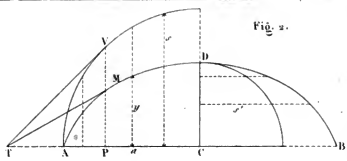


Fig. 5.







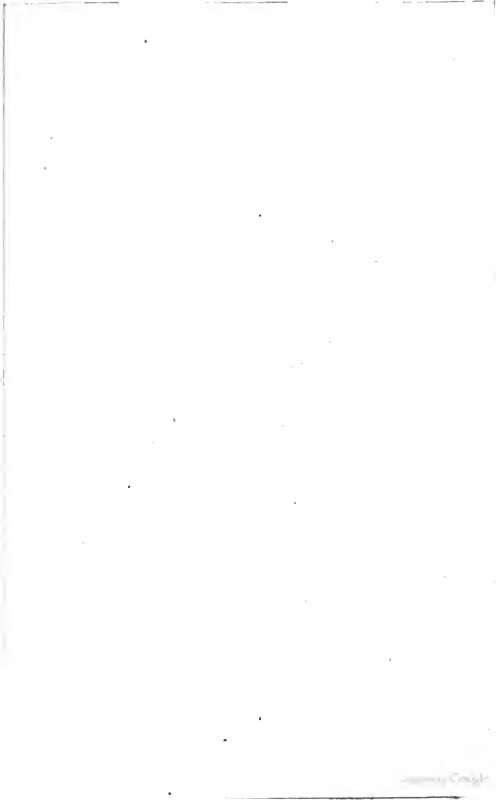


Fig. 1.

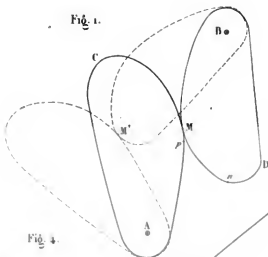


Fig. 2.

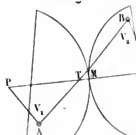


Fig. 3.



Fig. 9.

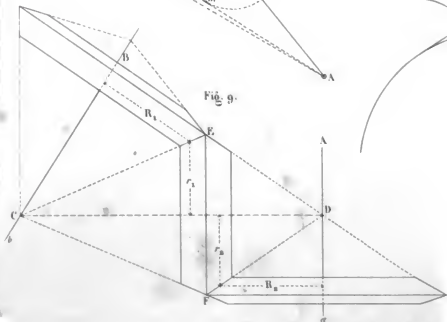






Fig. 2.

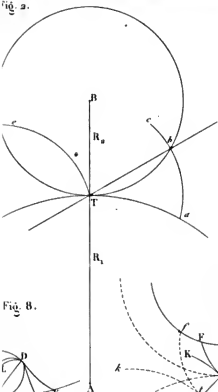


Fig. 3.

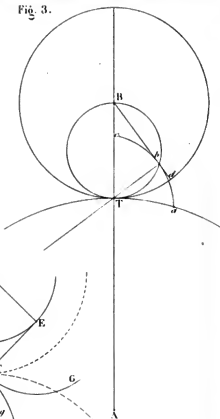


Fig. 8.

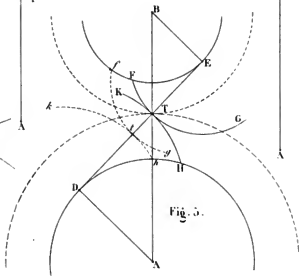
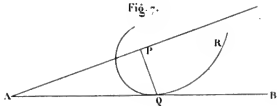


Fig. 5.

Fig. 7.







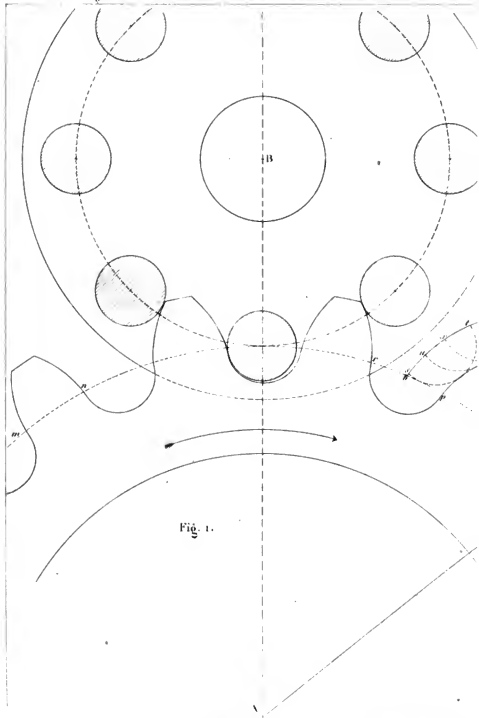


Fig. 1.





Fig. 1.

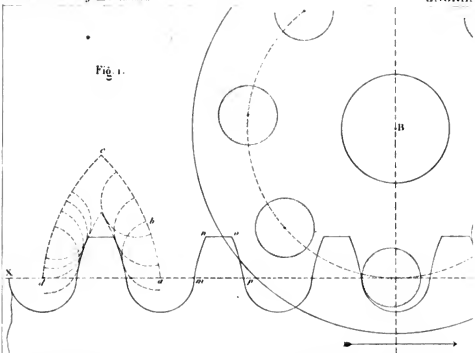


Fig. 2.

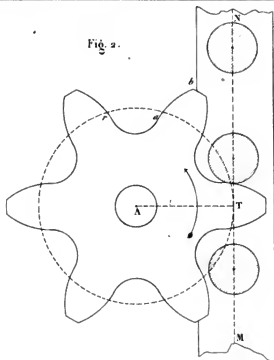


Fig. 3.

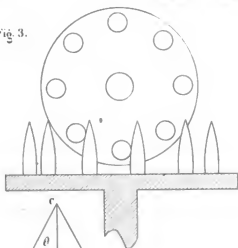


Fig. 4.

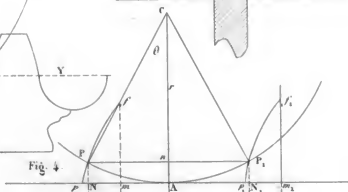
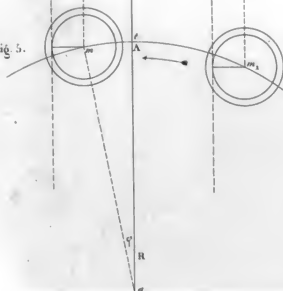


Fig. 5.







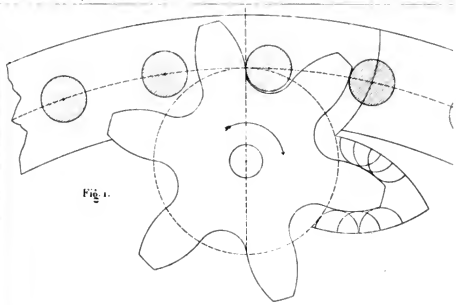


Fig. 1.

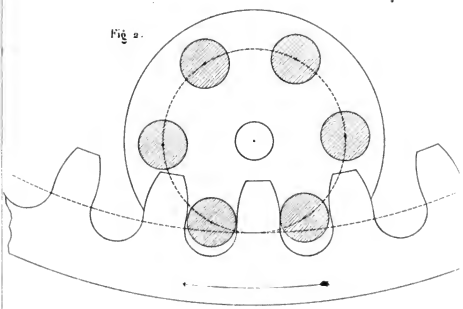
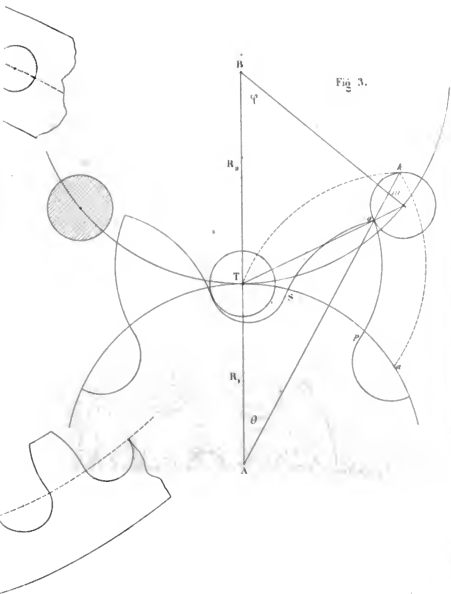


Fig. 2.

Fig. 3.





Aide-mémoire des ing^{rs} - T. Richard . .

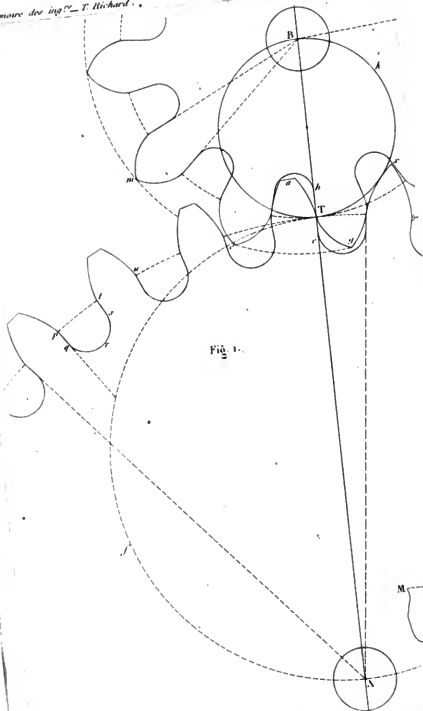


Fig. 1.

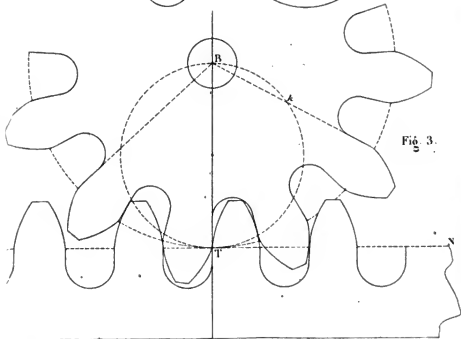
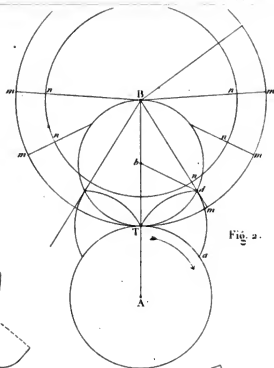
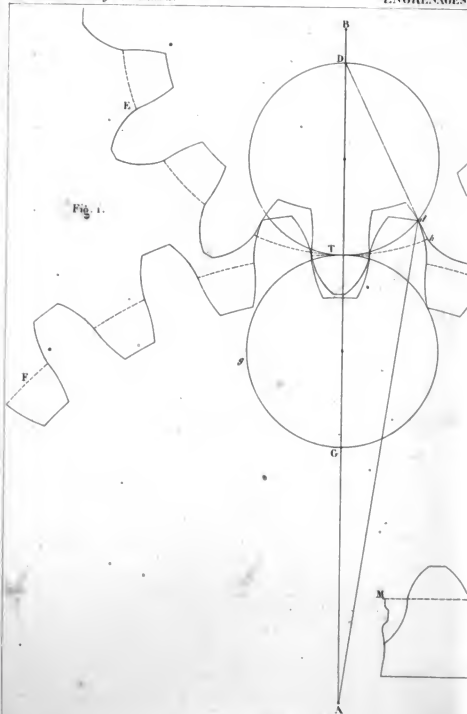




Fig. 1.



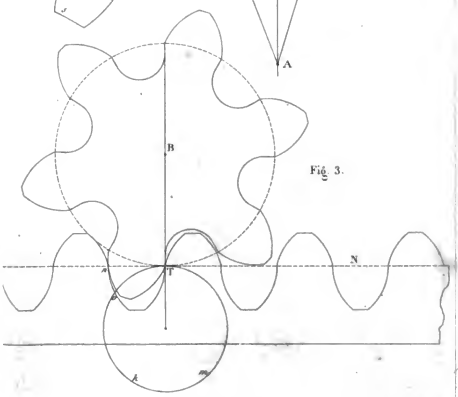
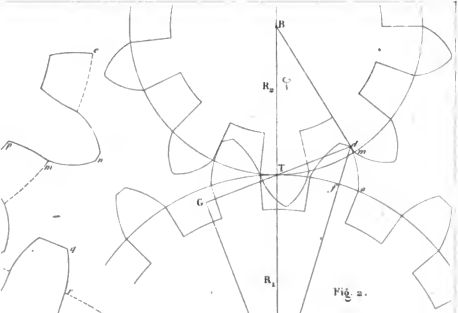






Fig. 1.

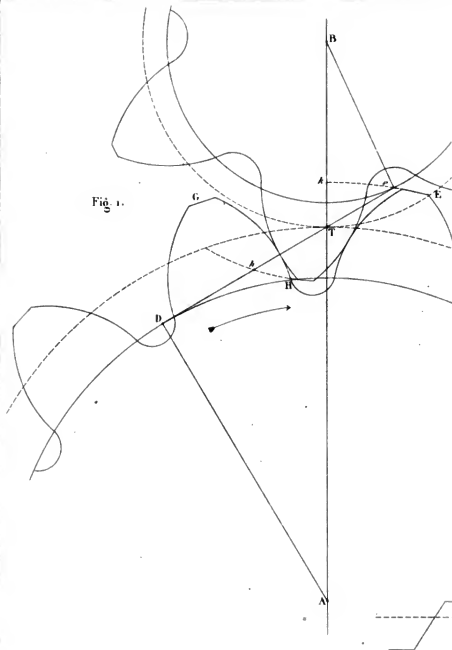




Fig. 1.

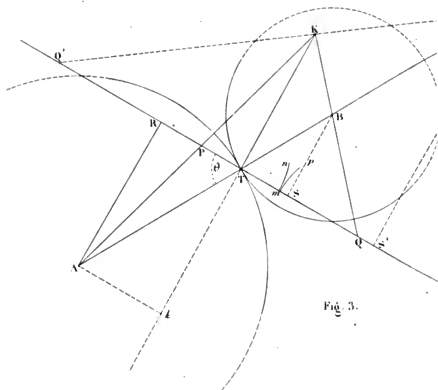
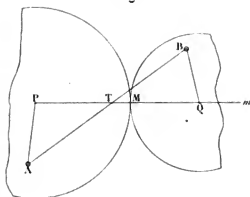


Fig. 3.

Fig. 2.

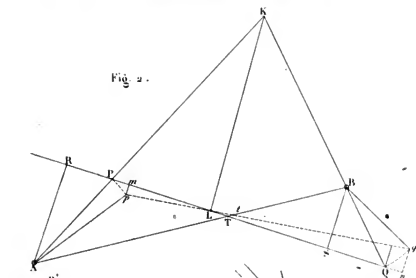
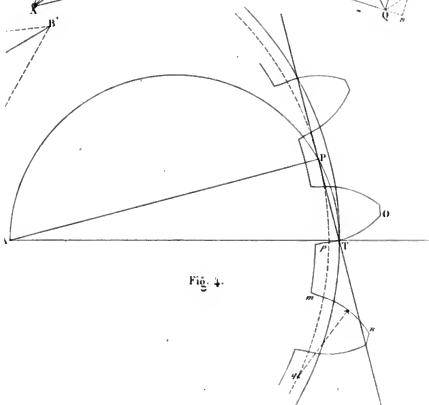


Fig. 4.





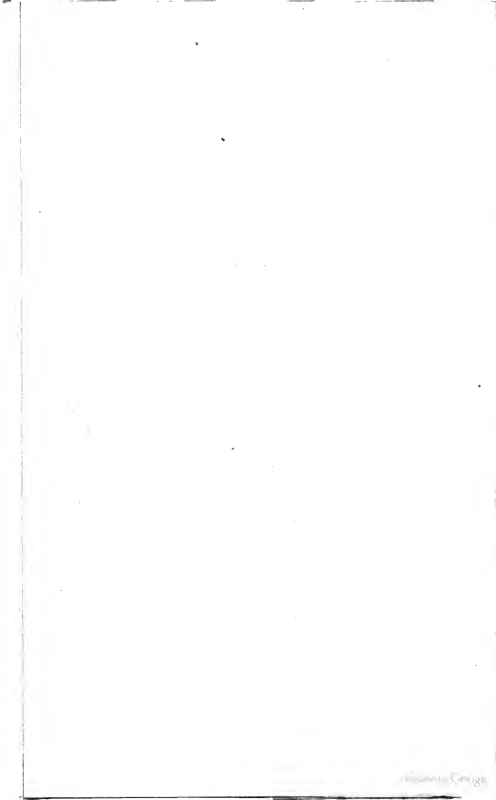




Fig. 1.

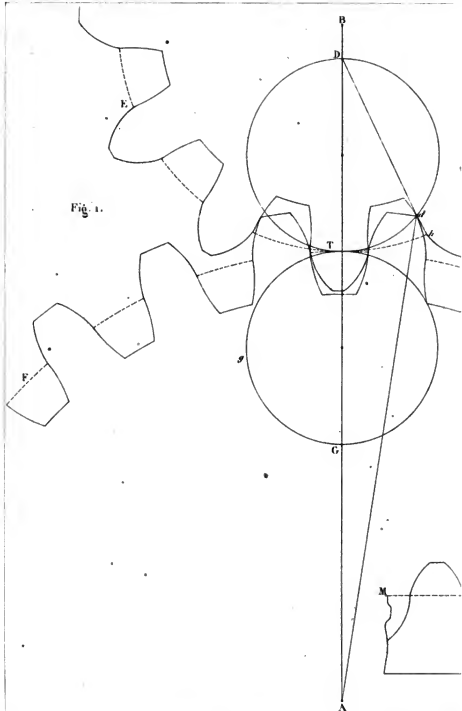
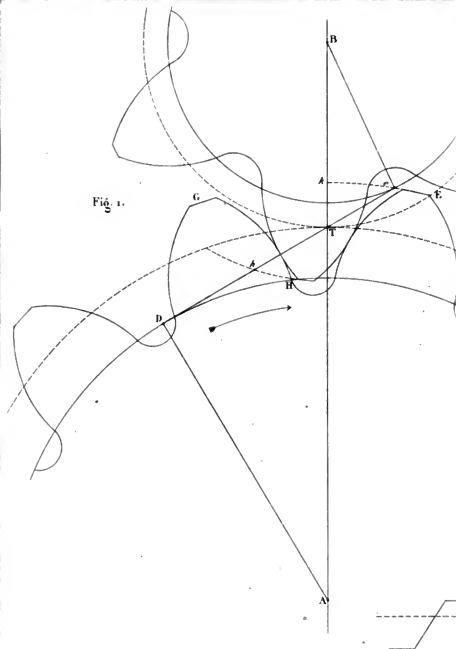


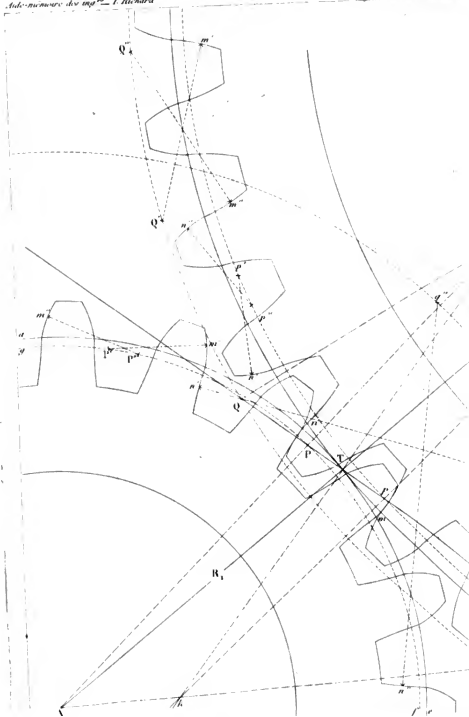


Fig. 1.









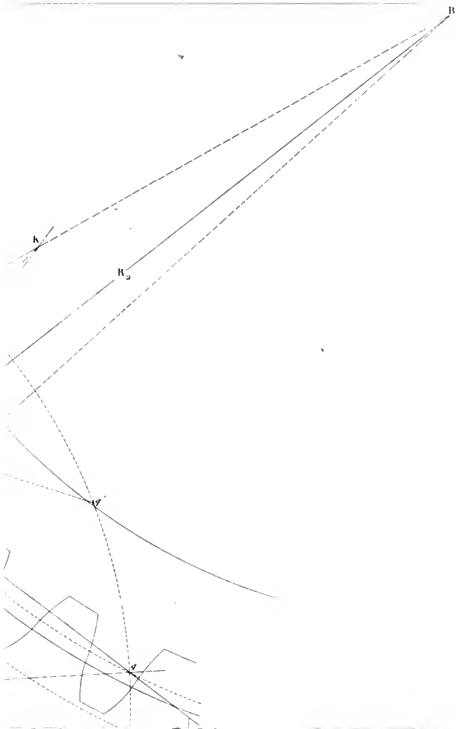




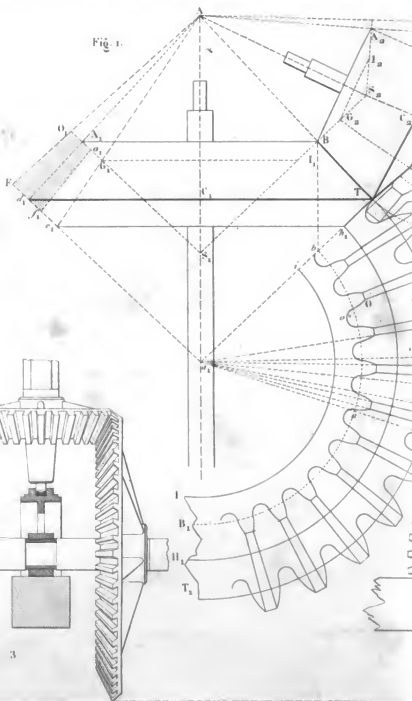
Fig. 1.

Fig. 3.

Fig. 2.

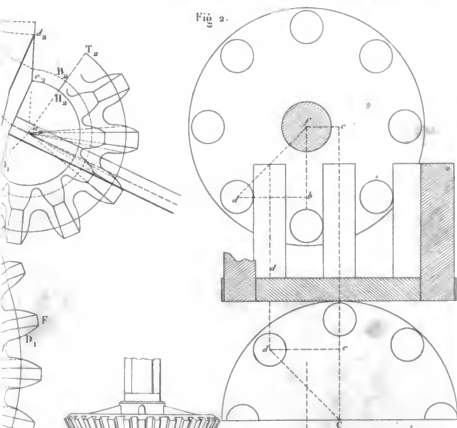
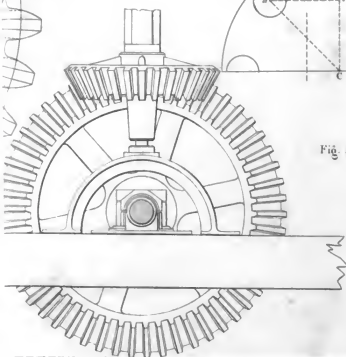


Fig. 4





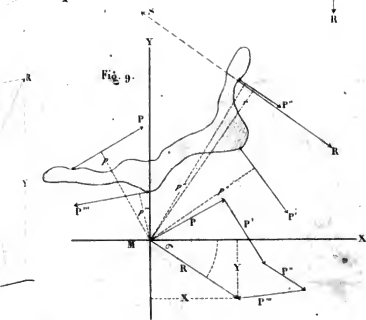
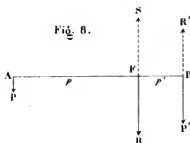
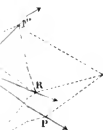
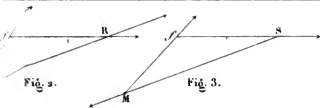
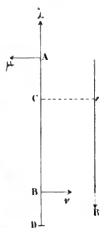


Fig. 10.



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